

Data File : VL034208.D
Acq On : 2 Oct 2019 13:12
Operator : SY/AP
Sample : K5106-05
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SV-5

Quant Time: Oct 03 05:38:16 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL091719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Sep 18 12:53:31 2019
QLast Update : Wed Sep 18 12:53:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.70	49	1132868	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.23	114	1936261	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.16	117	1975262	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.50	95	1723837	10.04	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.40%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.03	85	27702	0.166	ppbv	100
3) Chlorodifluoromethane	2.95	51	65617	0.494	ppbv #	75
4) Chloromethane	3.12	50	194384	2.490	ppbv	95
5) Vinyl Chloride	3.25	62	15120	0.212	ppbv #	88
6) Bromomethane	3.46	94	2550	0.077	ppbv #	46
7) Chloroethane	3.56	64	3859	0.155	ppbv #	75
9) Propene	2.99	41	5019334	76.591	ppbv	92
10) Heptane	8.18	43	906360	5.307	ppbv	95
11) Trichlorofluoromethane	3.96	101	26770	0.176	ppbv #	81
12) 1,1,2-Trichlorotrifluoroet	4.50	101	9292	0.093	ppbv	89
13) Ethanol	3.61	45	583906	36.795	ppbv	98
15) Acetone	3.85	43	7340111	48.343	ppbv #	70
16) 1,3-Butadiene	3.30	39	4139024	62.464	ppbv #	34
17) tert-Butyl alcohol	4.31	59	1174199	12.205	ppbv	98
19) Isopropyl Alcohol	3.98	45	315330	3.377	ppbv #	95
20) Methylene Chloride	4.36	84	94937	2.169	ppbv #	88
21) Allyl Chloride	4.41	41	143232	1.670	ppbv #	1
23) Vinyl Acetate	5.09	43	477982	2.136	ppbv #	65
25) Ethyl Acetate	5.72	43	644285	2.244	ppbv #	83
26) Hexane	5.72	57	706832	5.918	ppbv #	40
27) Carbon Disulfide	4.56	76	1066646	9.683	ppbv	99
29) Chloroform	5.79	83	1981525	11.610	ppbv	98
30) Cyclohexane	7.18	84	132373	1.535	ppbv #	87
34) 2-Butanone	5.27	43	3322601	16.806	ppbv	95
36) Benzene	6.94	78	2637630	12.334	ppbv	99
37) 1,2-Dichloroethane	6.35	62	14863	0.098	ppbv	98
38) Trichloroethene	7.90	130	3321	0.043	ppbv #	74
39) 1,2-Dichloropropane	7.23	63	635629	6.615	ppbv #	20
41) Tetrahydrofuran	6.09	42	22945	0.206	ppbv #	71
42) Bromodichloromethane	7.85	83	24691	0.135	ppbv #	37
43) Methyl Methacrylate	8.07	69	3853	0.044	ppbv #	1
44) 2,2,4-Trimethylpentane	7.92	57	390994	0.950	ppbv #	54
50) 4-Methyl-2-Pentanone	8.80	43	236372	0.822	ppbv	94
51) 2-Hexanone	10.19	43	527968	2.186	ppbv #	96
52) Tetrachloroethene	11.30	164	1501111	21.246	ppbv	95
53) Toluene	9.87	91	2304316	9.860	ppbv	100
58) Ethyl Benzene	12.79	91	291491	0.915	ppbv	90
59) m/p-Xylene	13.07	91	239651	0.908	ppbv #	32
60) o-Xylene	13.77	91	440013	1.667	ppbv	96
61) Styrene	13.61	104	15863	0.084	ppbv #	1
62) Isopropylbenzene	14.74	105	35383	0.104	ppbv #	80

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL100219\
Quantitation Report (Not Reviewed)

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SV-5

Quant Time: Oct 03 05:38:16 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL091719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Sep 18 12:53:31 2019
QLast Update : Wed Sep 18 12:53:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
64) n-propylbenzene	15.64	120	8610	0.100	ppbv #	1
65) tert-Butylbenzene	16.84	119	22351	0.075	ppbv #	14
67) sec-Butylbenzene	17.38	105	17663	0.041	ppbv #	59
69) p-Isopropyltoluene	17.73	119	43049	0.125	ppbv #	65
70) n-Butylbenzene	18.64	91	52796	0.131	ppbv #	82
72) 4-Ethyltoluene	15.92	105	186617	0.626	ppbv	97
73) 1,3,5-Trimethylbenzene	16.08	105	102775	0.357	ppbv	87
74) 1,2,4-Trimethylbenzene	16.84	105	549730	1.797	ppbv #	70
78) Hexachloro-1,3-Butadiene	23.46	225	4023	0.037	ppbv #	18
79) Naphthalene	22.31	128	12954	0.048	ppbv #	82
80) Naphthalene,2-methyl-	25.04	142	7889	0.063	ppbv #	90

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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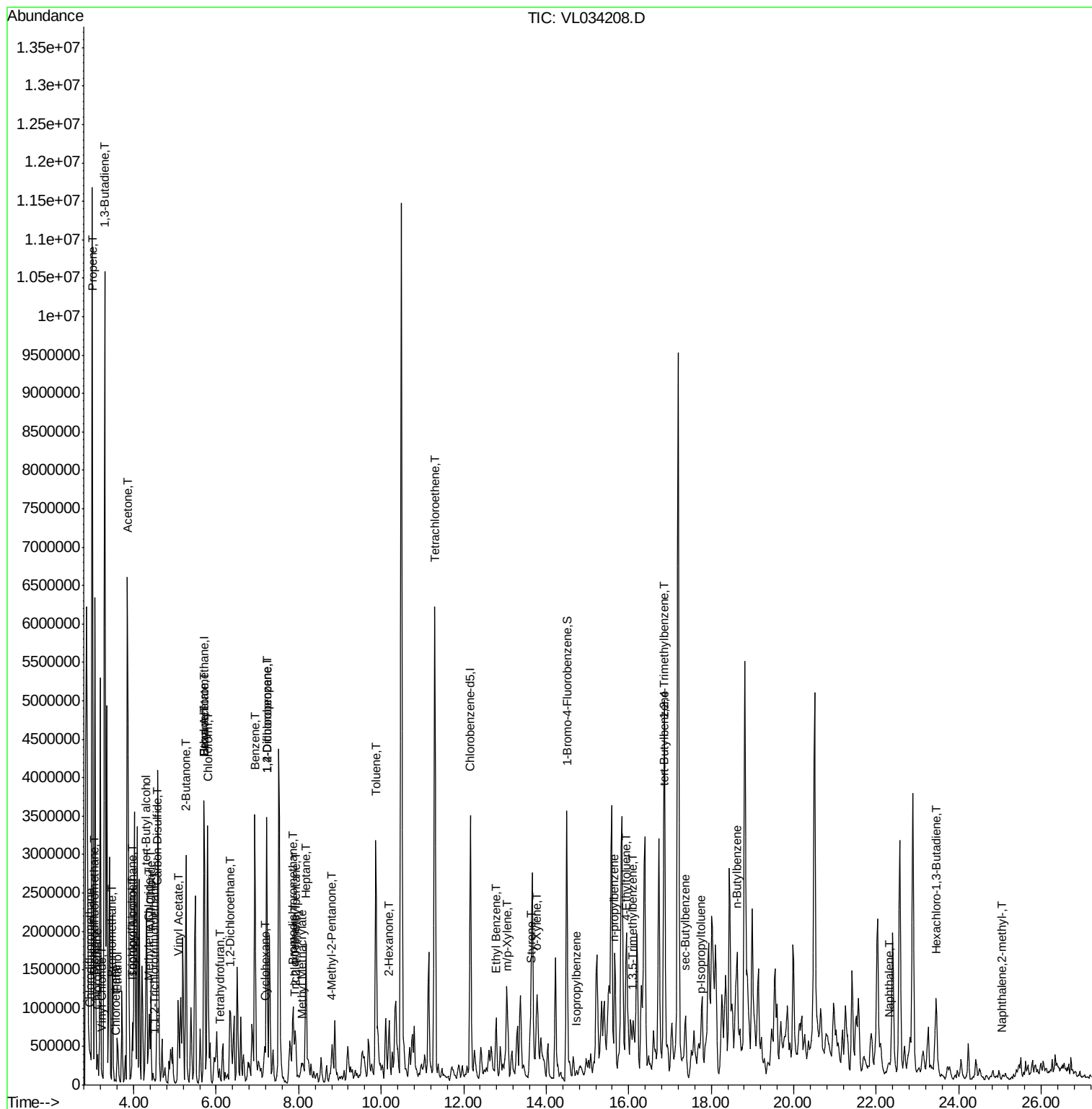
Quant Time: Oct 03 05:38:16 2019

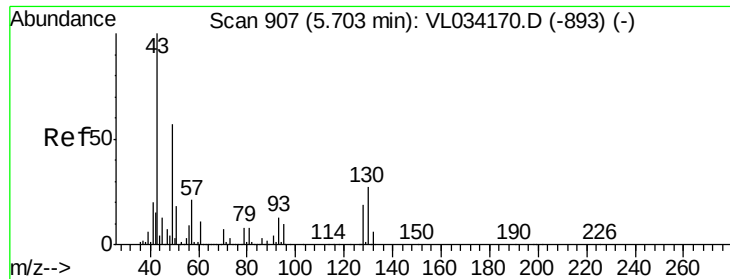
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_L\METHODS\VL091719AIR.M

Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_LWed Sep 18 12:53:31 2019

QLast Update : Wed Sep 18 12:53:31 2019

Response via : Initial Calibration

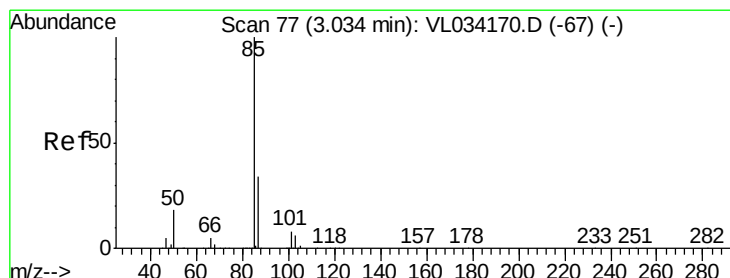
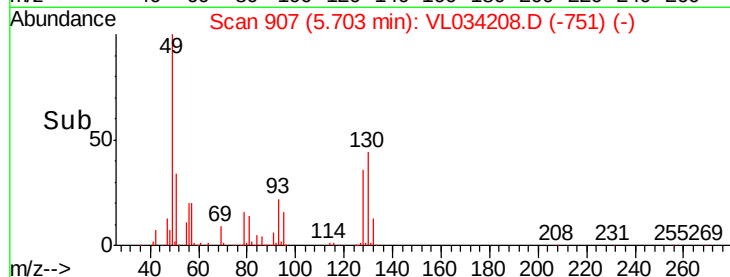
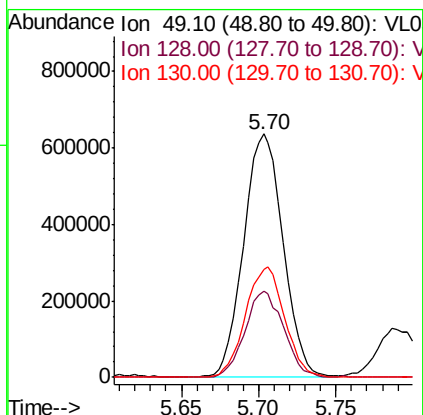
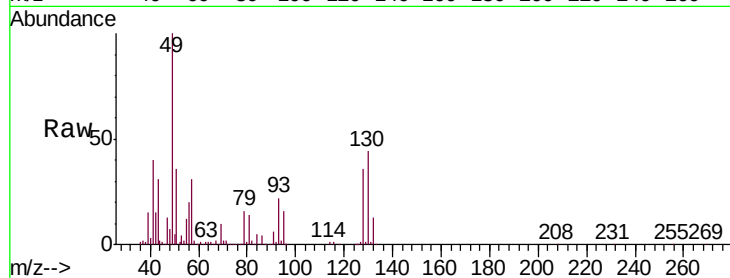




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.70 min Scan# 907
 Delta R.T. 0.00 min
 Lab File: VL034208.D
 Acq: 2 Oct 2019 13:12

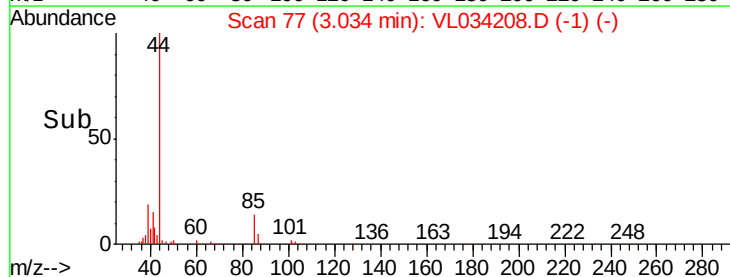
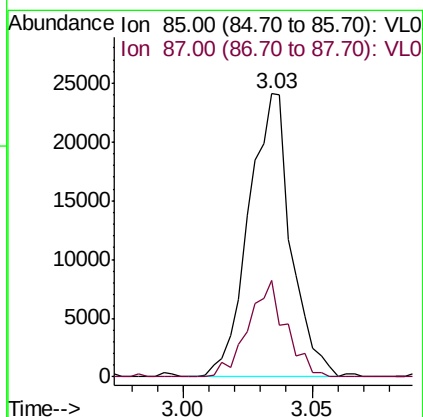
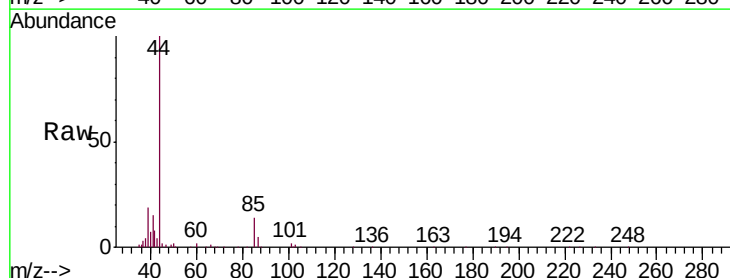
Instrument :
 MSVOA_L
 ClientSampleId :
 SV-5

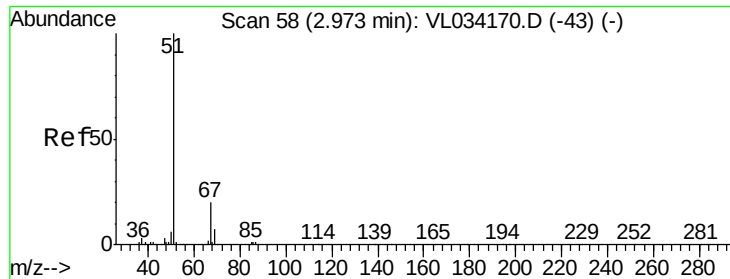
Tgt Ion: 49 Resp: 1132868
 Ion Ratio Lower Upper
 49 100
 128 35.1 17.6 52.9
 130 45.0 22.3 66.9



#2
 Dichlorodifluoromethane
 Concen: 0.166 ppbv
 RT: 3.03 min Scan# 77
 Delta R.T. 0.00 min
 Lab File: VL034208.D
 Acq: 2 Oct 2019 13:12

Tgt Ion: 85 Resp: 27702
 Ion Ratio Lower Upper
 85 100
 87 34.1 27.2 40.8





#3

Chlorodifluoromethane

Concen: 0.494 ppbv

RT: 2.95 min Scan# 50

Delta R.T. -0.03 min

Lab File: VL034208.D

Acq: 2 Oct 2019 13:12

Instrument :

MSVOA_L

ClientSampleId :

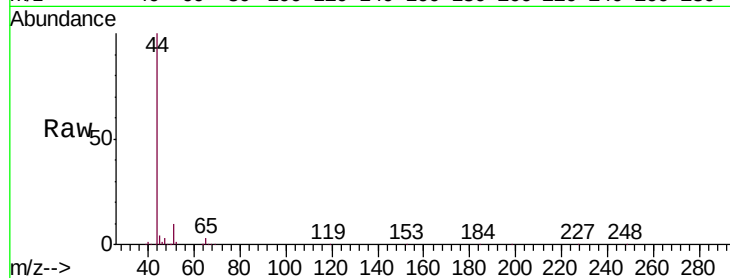
SV-5

Tgt Ion: 51 Resp: 65617

Ion Ratio Lower Upper

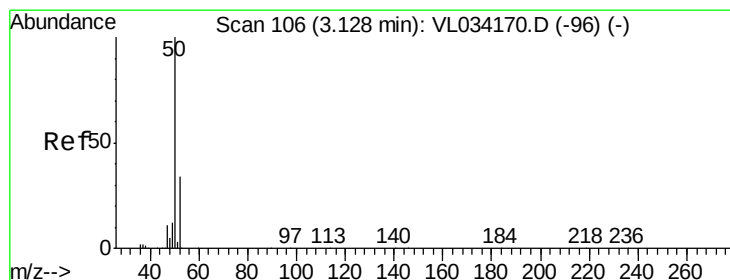
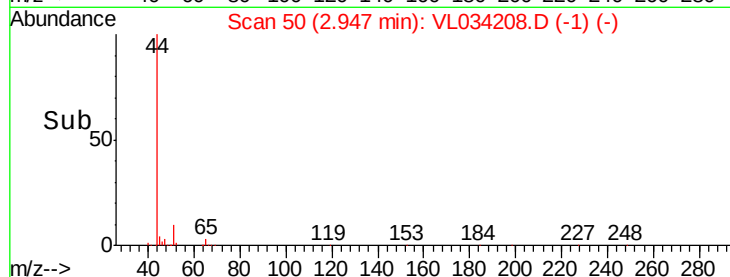
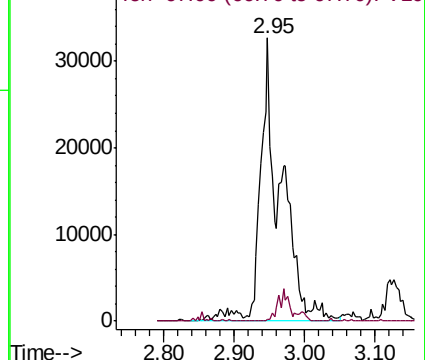
51 100

67 7.3 14.8 22.2#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 2.490 ppbv

RT: 3.12 min Scan# 105

Delta R.T. -0.00 min

Lab File: VL034208.D

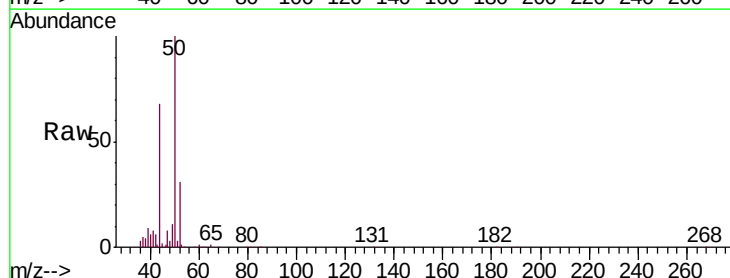
Acq: 2 Oct 2019 13:12

Tgt Ion: 50 Resp: 194384

Ion Ratio Lower Upper

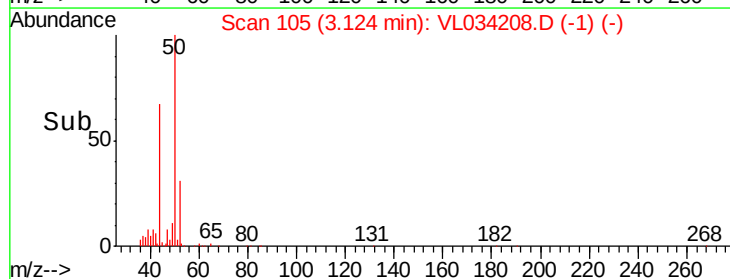
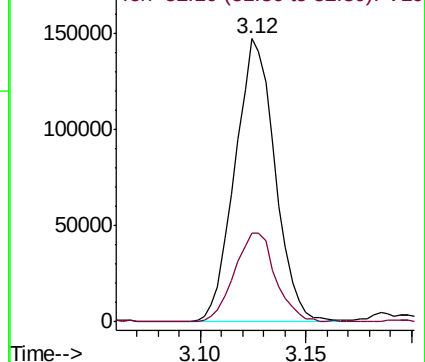
50 100

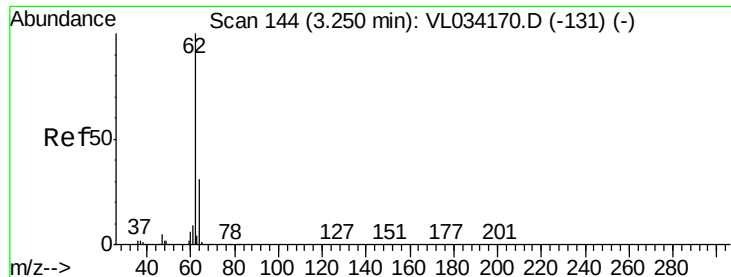
52 31.2 27.1 40.7



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 0.212 ppbv

RT: 3.25 min Scan# 143

Delta R.T. -0.00 min

Lab File: VL034208.D

Acq: 2 Oct 2019 13:12

Instrument :

MSVOA_L

ClientSampleId :

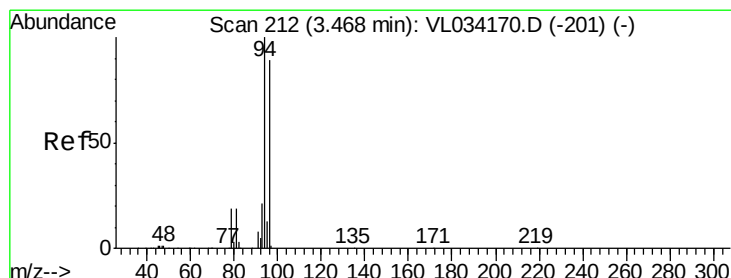
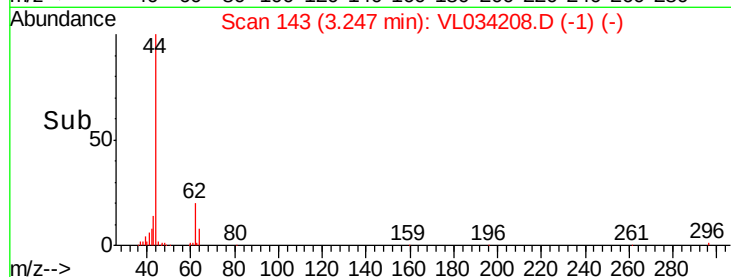
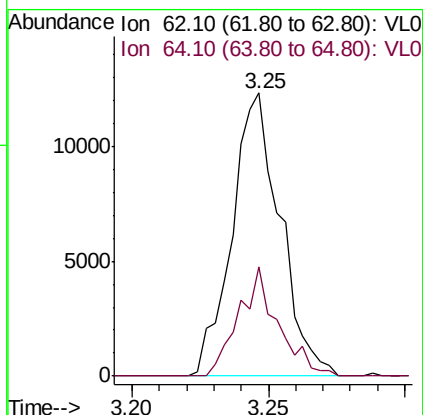
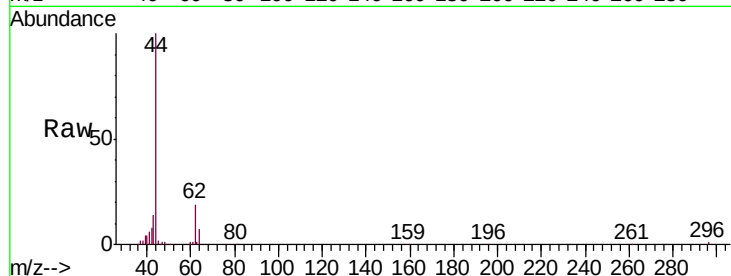
SV-5

Tgt Ion: 62 Resp: 15120

Ion Ratio Lower Upper

62 100

64 38.4 25.2 37.8#



#6

Bromomethane

Concen: 0.077 ppbv

RT: 3.46 min Scan# 210

Delta R.T. -0.01 min

Lab File: VL034208.D

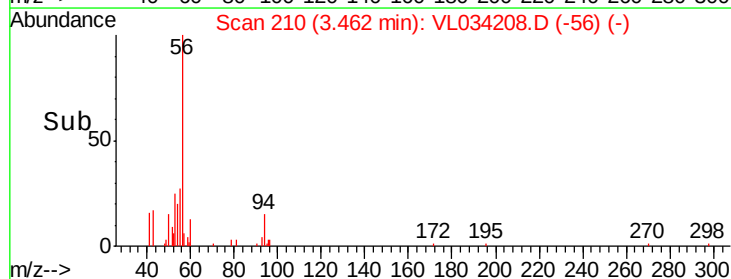
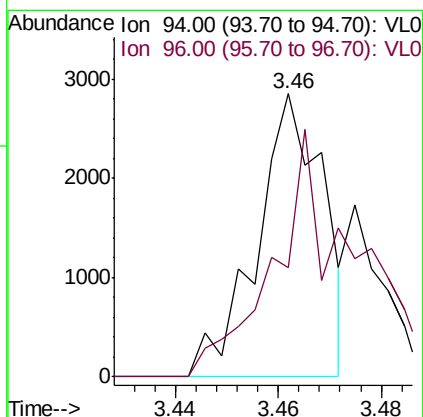
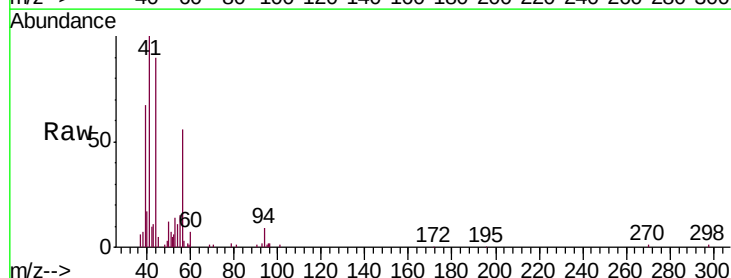
Acq: 2 Oct 2019 13:12

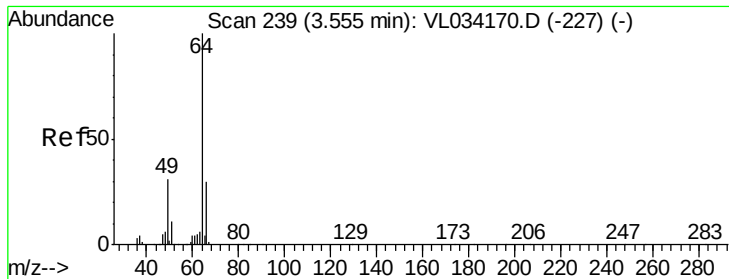
Tgt Ion: 94 Resp: 2550

Ion Ratio Lower Upper

94 100

96 38.7 71.3 106.9#





#7

Chloroethane

Concen: 0.155 ppbv

RT: 3.56 min Scan# 239

Delta R.T. 0.00 min

Lab File: VL034208.D

Acq: 2 Oct 2019 13:12

Instrument :

MSVOA_L

ClientSampled :

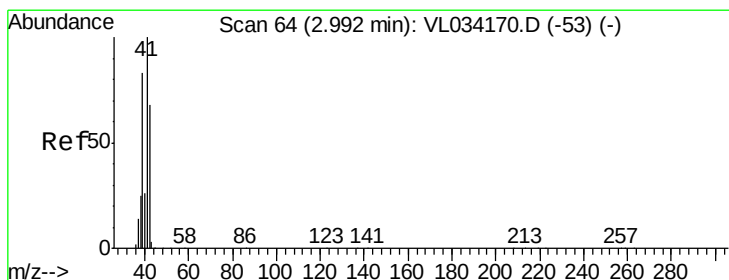
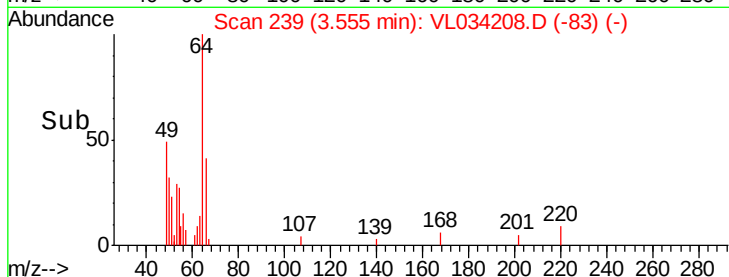
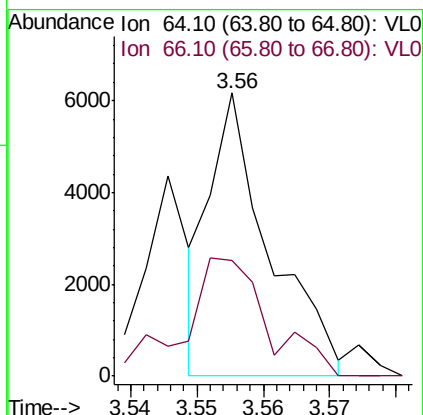
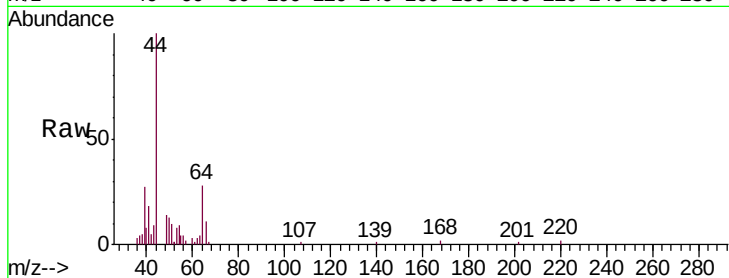
SV-5

Tgt Ion: 64 Resp: 3859

Ion Ratio Lower Upper

64 100

66 43.9 24.2 36.4#



#9

Propene

Concen: 76.591 ppbv

RT: 2.99 min Scan# 64

Delta R.T. 0.00 min

Lab File: VL034208.D

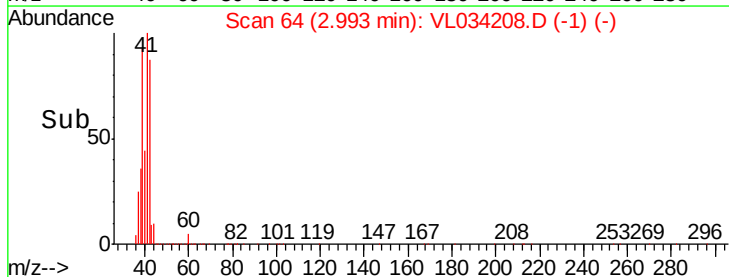
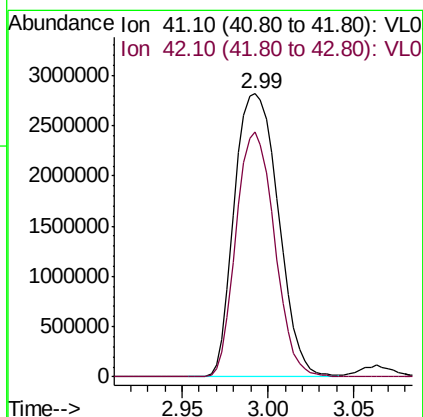
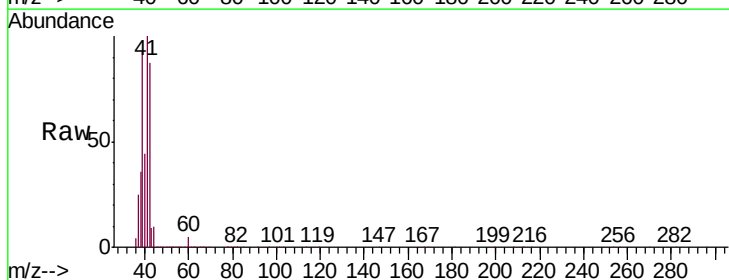
Acq: 2 Oct 2019 13:12

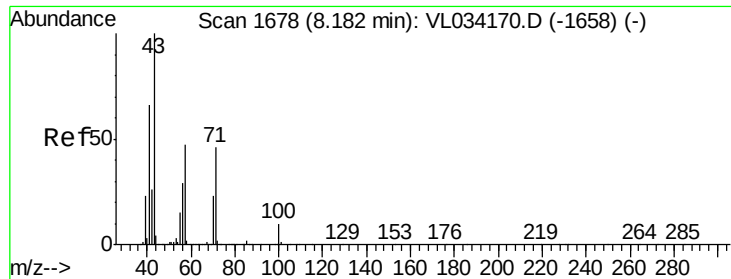
Tgt Ion: 41 Resp: 5019334

Ion Ratio Lower Upper

41 100

42 76.0 55.8 83.6

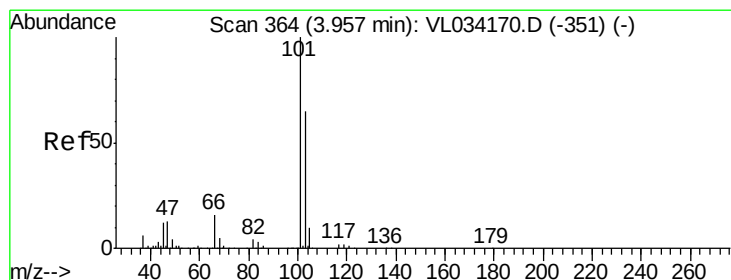
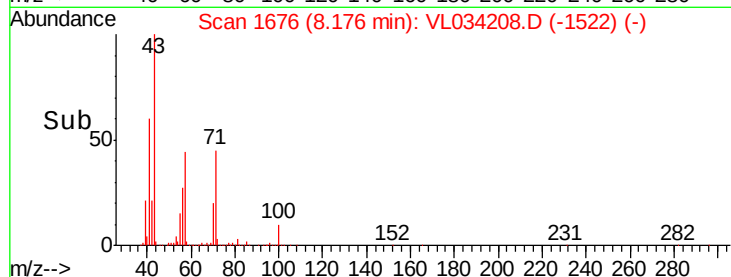
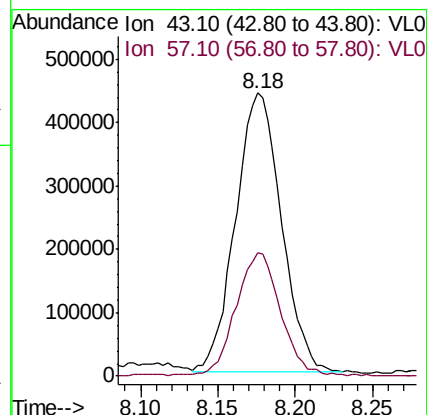
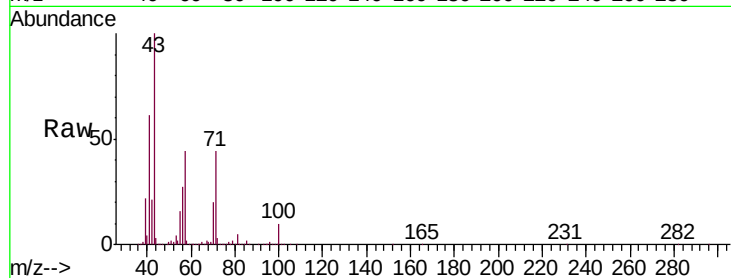




#10
 Heptane
 Concen: 5.307 ppbv
 RT: 8.18 min Scan# 1676
 Delta R.T. -0.01 min
 Lab File: VL034208.D
 Acq: 2 Oct 2019 13:12

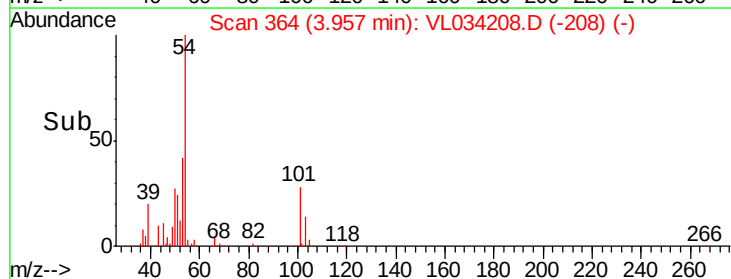
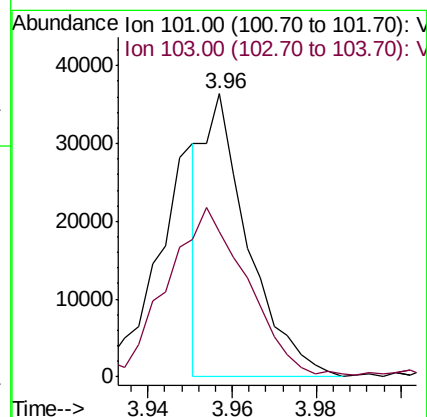
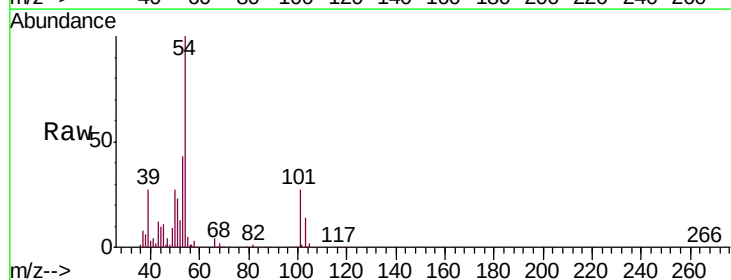
Instrument :
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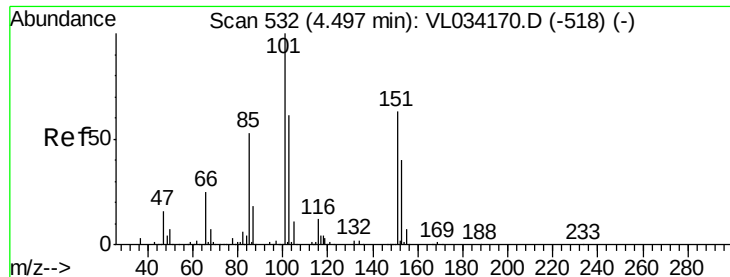
Tgt Ion: 43 Resp: 906360
 Ion Ratio Lower Upper
 43 100
 57 43.7 37.5 56.3



#11
 Trichlorofluoromethane
 Concen: 0.176 ppbv
 RT: 3.96 min Scan# 364
 Delta R.T. 0.00 min
 Lab File: VL034208.D
 Acq: 2 Oct 2019 13:12

Tgt Ion: 101 Resp: 26770
 Ion Ratio Lower Upper
 101 100
 103 50.3 52.1 78.1#





#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.093 ppbv

RT: 4.50 min Scan# 533

Delta R.T. 0.00 min

Lab File: VL034208.D

Acq: 2 Oct 2019 13:12

Instrument :

MSVOA_L

ClientSampleId :

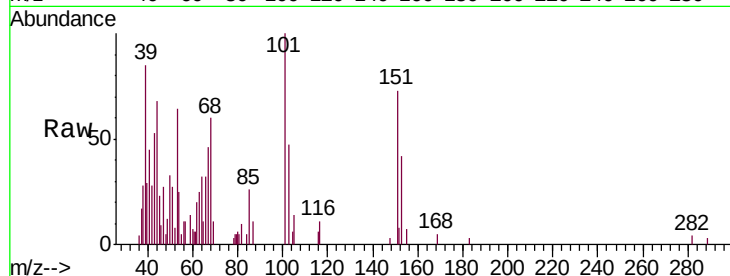
SV-5

Tgt Ion:101 Resp: 9292

Ion Ratio Lower Upper

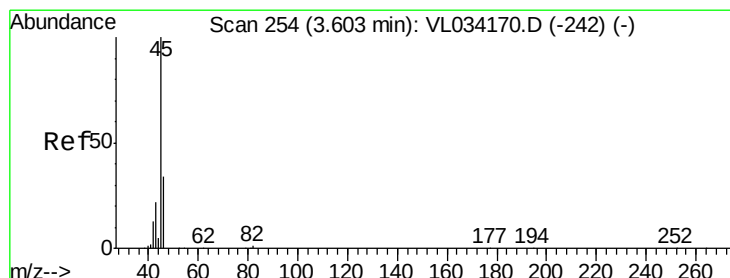
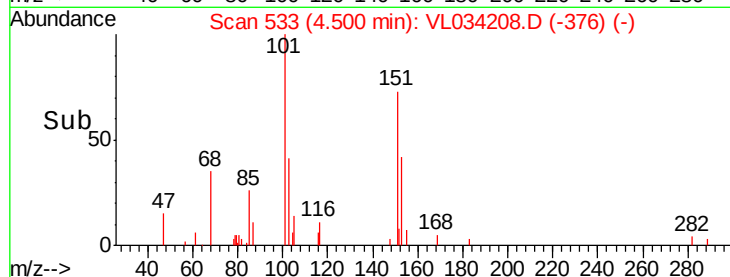
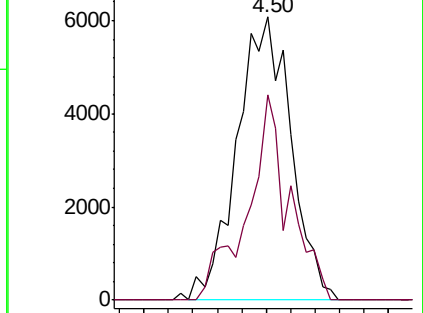
101 100

151 56.3 51.8 77.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V



#13

Ethanol

Concen: 36.795 ppbv

RT: 3.61 min Scan# 255

Delta R.T. 0.00 min

Lab File: VL034208.D

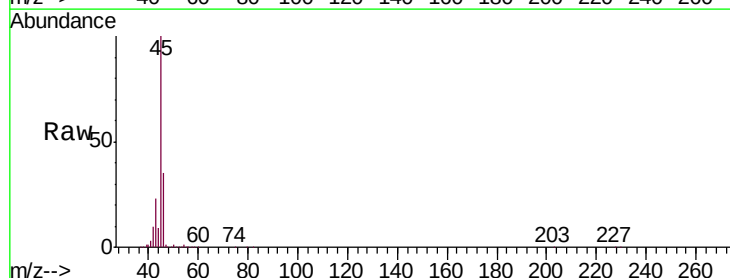
Acq: 2 Oct 2019 13:12

Tgt Ion: 45 Resp: 583906

Ion Ratio Lower Upper

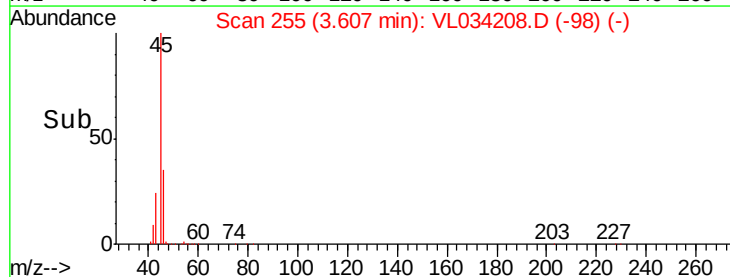
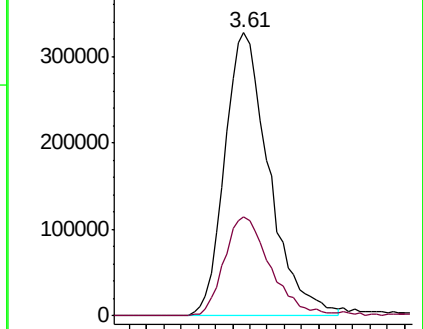
45 100

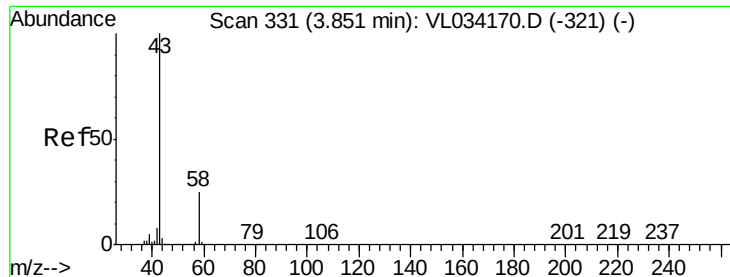
46 37.6 15.5 61.9



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 48.343 ppbv

RT: 3.85 min Scan# 330

Delta R.T. -0.00 min

Lab File: VL034208.D

Acq: 2 Oct 2019 13:12

Instrument :

MSVOA_L

ClientSampleId :

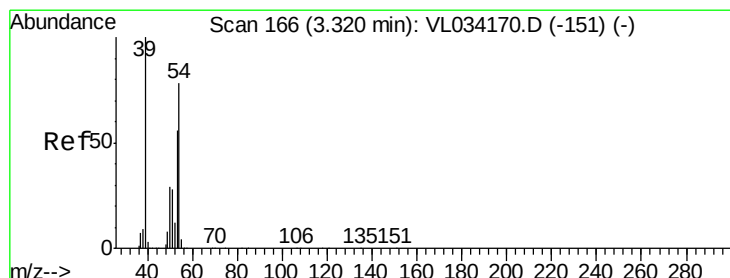
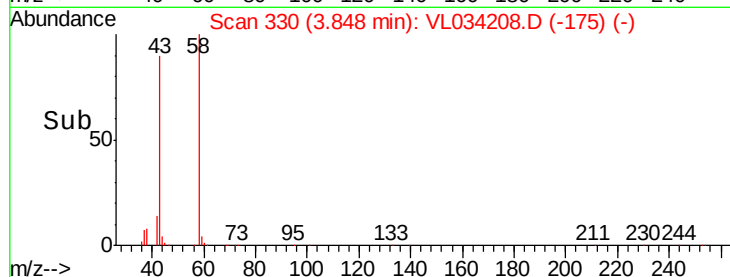
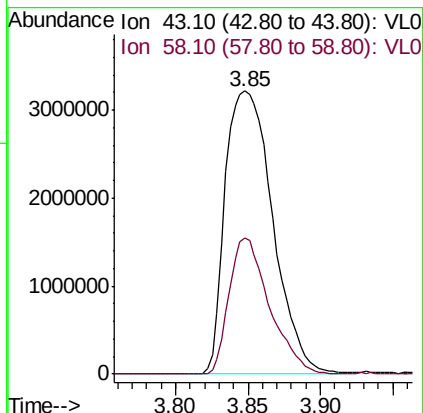
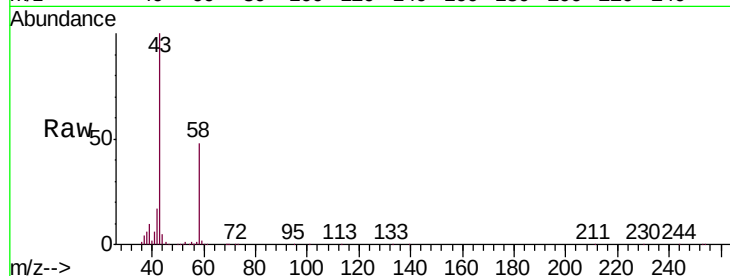
SV-5

Tgt Ion: 43 Resp: 7340111

Ion Ratio Lower Upper

43 100

58 40.9 20.5 30.7#



#16

1,3-Butadiene

Concen: 62.464 ppbv

RT: 3.30 min Scan# 159

Delta R.T. -0.02 min

Lab File: VL034208.D

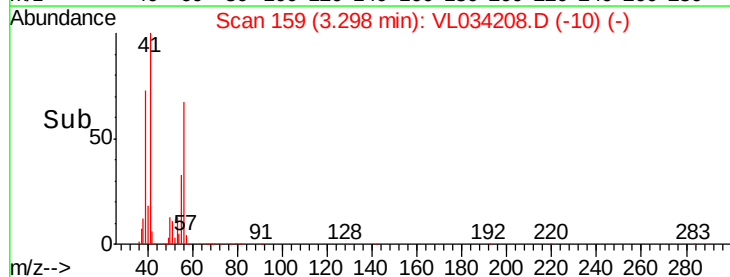
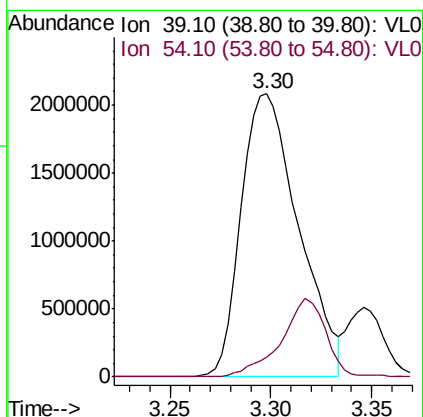
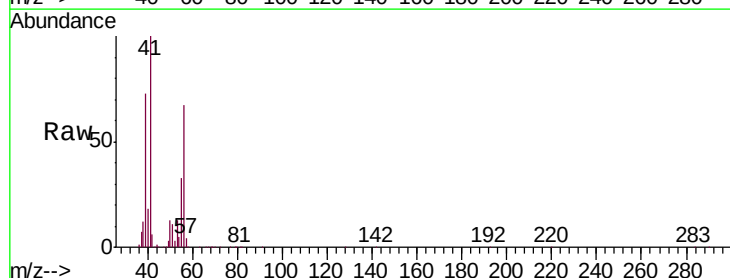
Acq: 2 Oct 2019 13:12

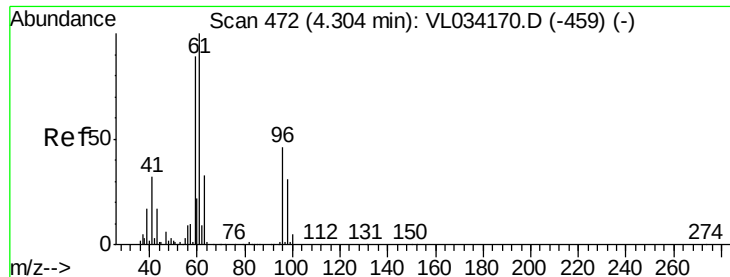
Tgt Ion: 39 Resp: 4139024

Ion Ratio Lower Upper

39 100

54 21.4 63.4 95.0#



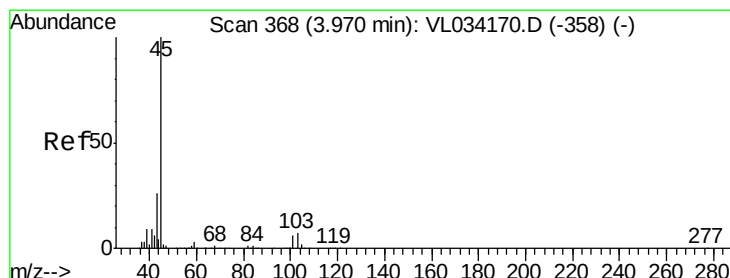
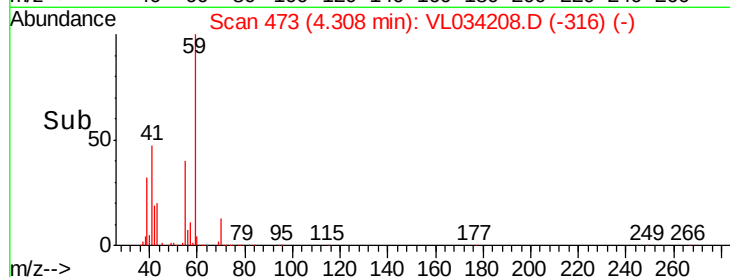
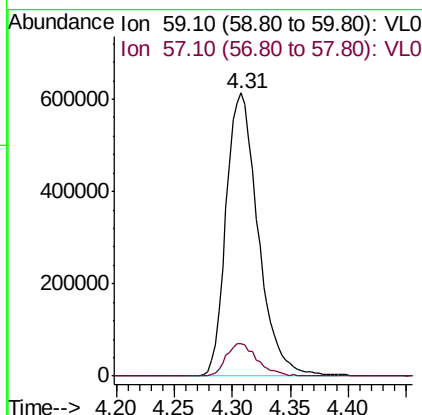
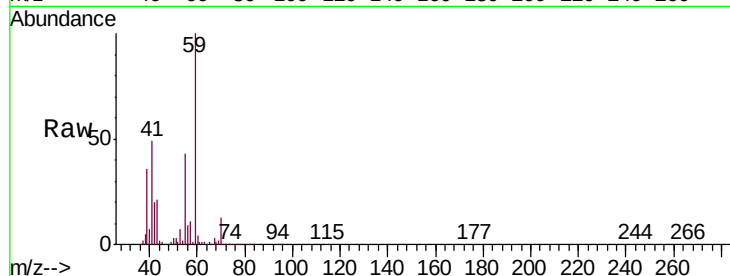


#17

tert-Butyl alcohol
Concen: 12.205 ppbv
RT: 4.31 min Scan# 473
Delta R.T. 0.00 min
Lab File: VL034208.D
Acq: 2 Oct 2019 13:12

Instrument :
MSVOA_L
ClientSampled :
SV-5

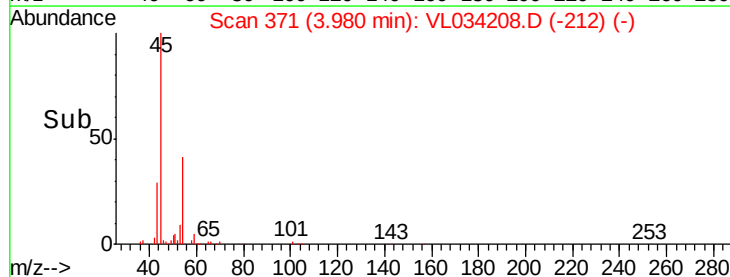
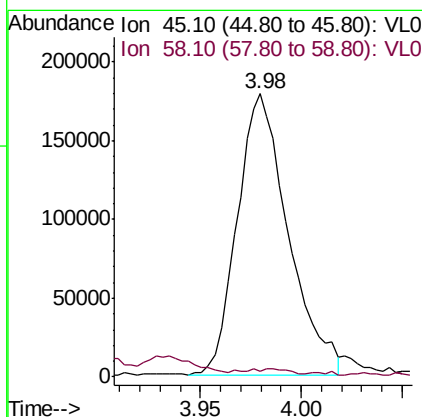
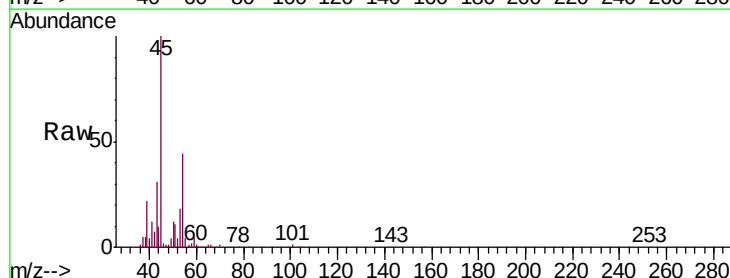
Tgt Ion: 59 Resp: 1174199
Ion Ratio Lower Upper
59 100
57 11.7 8.7 13.1

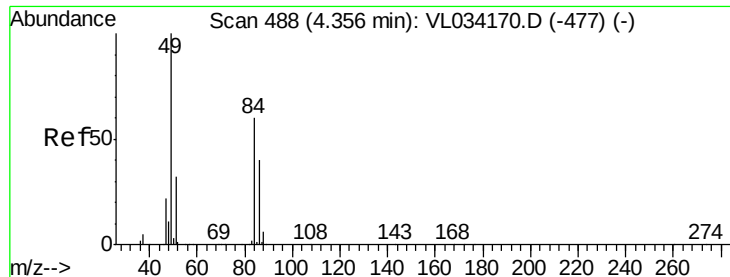


#19

Isopropyl Alcohol
Concen: 3.377 ppbv
RT: 3.98 min Scan# 371
Delta R.T. 0.01 min
Lab File: VL034208.D
Acq: 2 Oct 2019 13:12

Tgt Ion: 45 Resp: 315330
Ion Ratio Lower Upper
45 100
58 0.0 1.4 2.0#

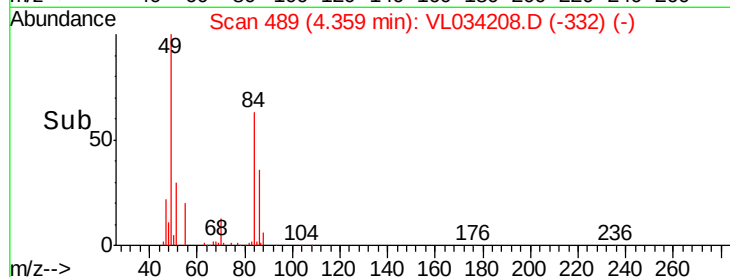
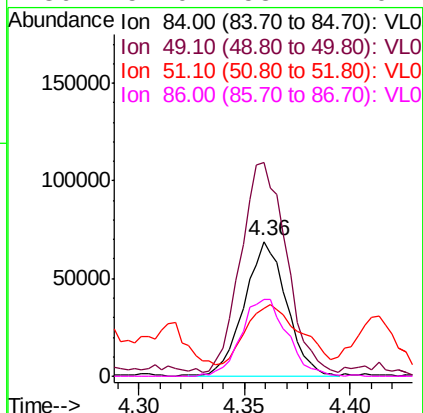
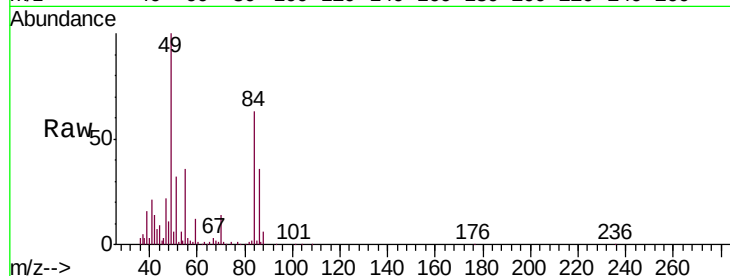




#20
Methylene Chloride
Concen: 2.169 ppbv
RT: 4.36 min Scan# 489
Delta R.T. 0.00 min
Lab File: VL034208.D
Acq: 2 Oct 2019 13:12

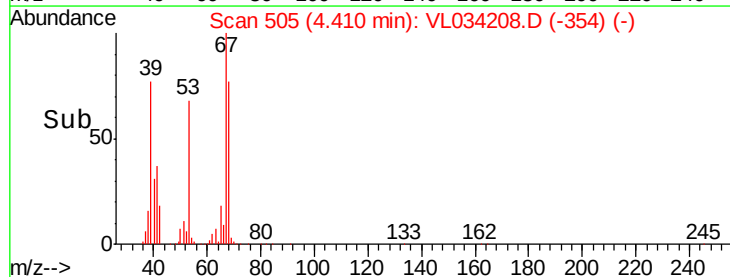
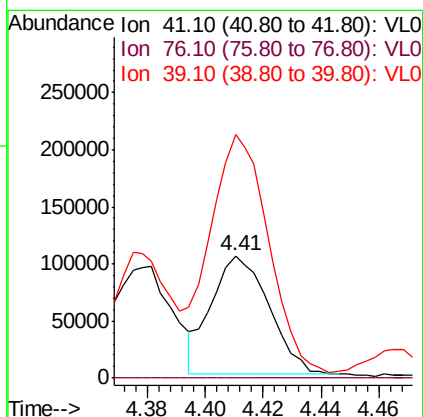
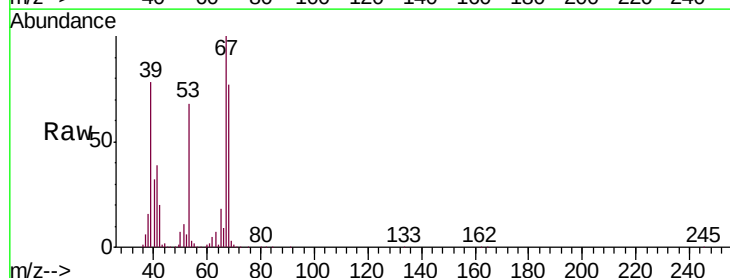
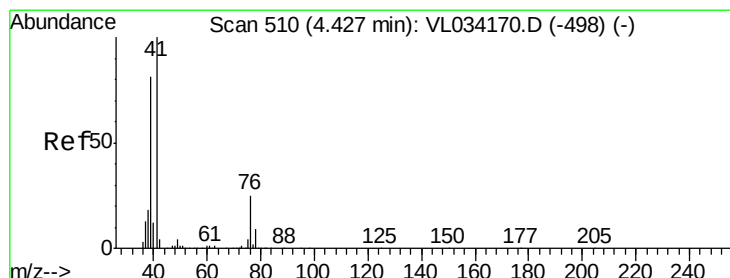
Instrument :
MSVOA_L
ClientSampleId :
SV-5

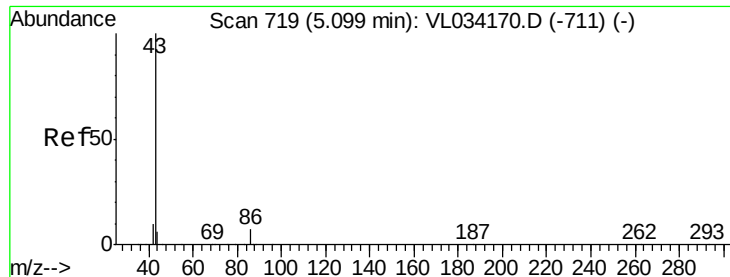
Tgt Ion: 84 Resp: 94937
Ion Ratio Lower Upper
84 100
49 156.0 133.8 200.8
51 35.8 43.6 65.4#
86 57.0 53.1 79.7



#21
Allyl Chloride
Concen: 1.670 ppbv
RT: 4.41 min Scan# 505
Delta R.T. -0.02 min
Lab File: VL034208.D
Acq: 2 Oct 2019 13:12

Tgt Ion: 41 Resp: 143232
Ion Ratio Lower Upper
41 100
76 0.0 21.8 32.6#
39 304.0 64.8 97.2#





#23

Vinyl Acetate

Concen: 2.136 ppbv

RT: 5.09 min Scan# 717

Delta R.T. -0.01 min

Lab File: VL034208.D

Acq: 2 Oct 2019 13:12

Instrument :

MSVOA_L

ClientSampleId :

SV-5

Tgt Ion: 43 Resp: 477982

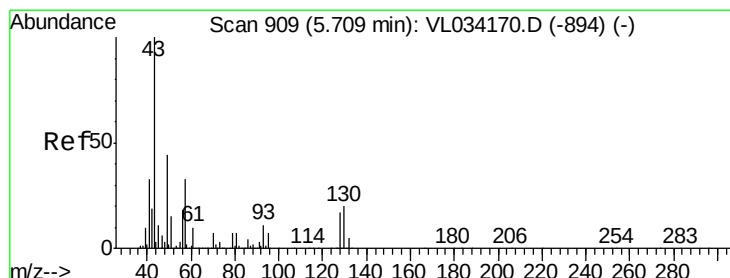
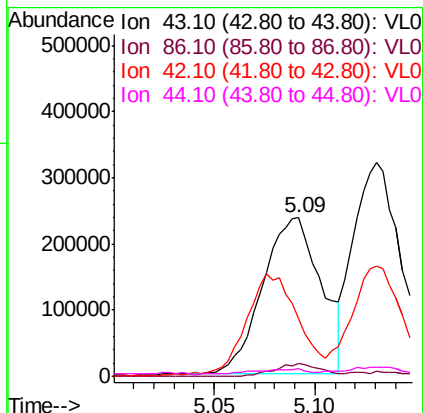
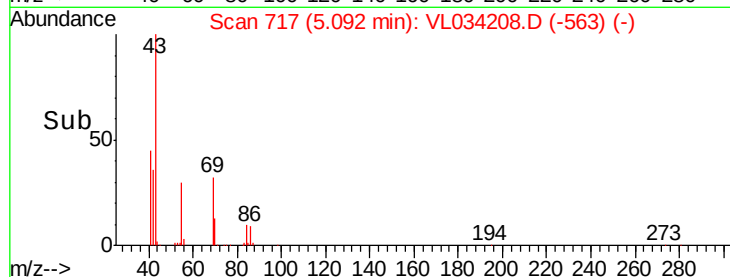
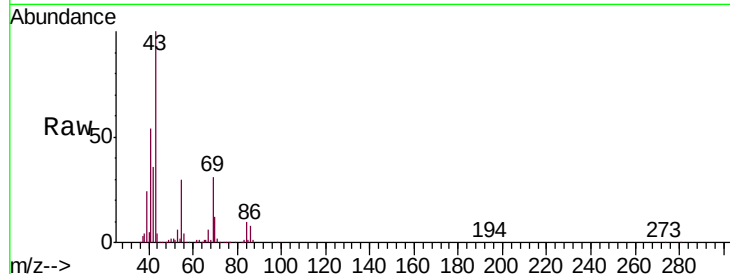
Ion Ratio Lower Upper

43 100

86 8.5 5.1 7.7#

42 35.4 8.6 12.8#

44 2.7 4.7 7.1#



#25

Ethyl Acetate

Concen: 2.244 ppbv

RT: 5.72 min Scan# 911

Delta R.T. 0.01 min

Lab File: VL034208.D

Acq: 2 Oct 2019 13:12

Tgt Ion: 43 Resp: 644285

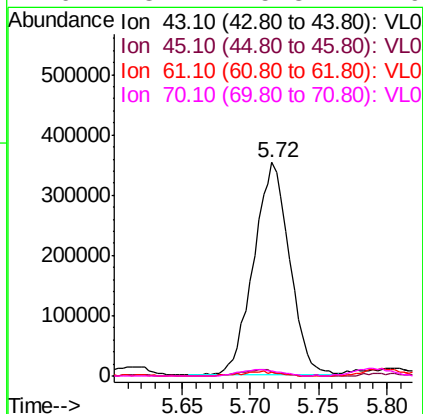
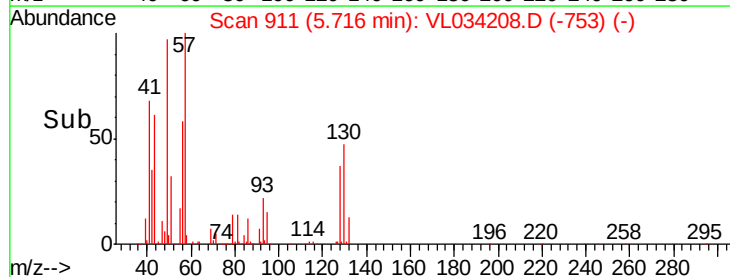
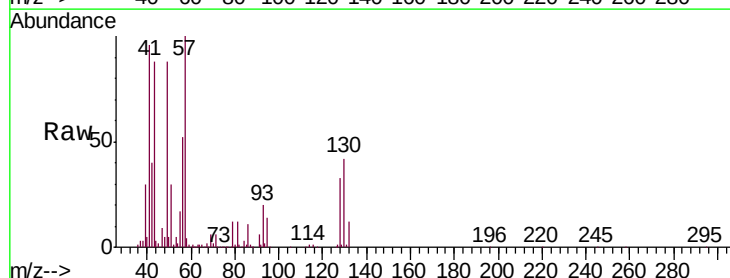
Ion Ratio Lower Upper

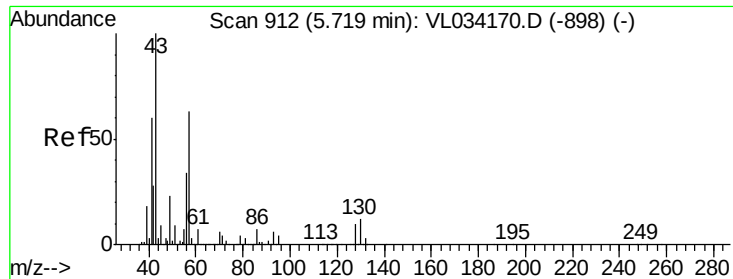
43 100

45 3.0 8.4 12.6#

61 2.2 7.2 10.8#

70 3.7 5.3 7.9#

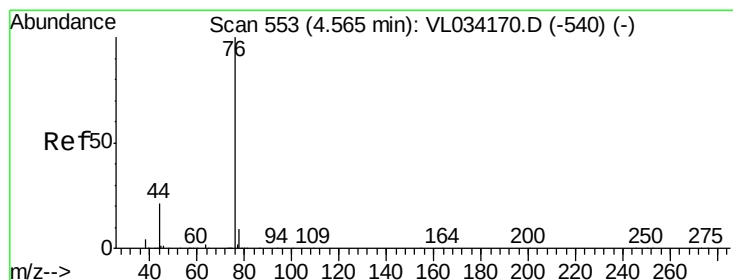
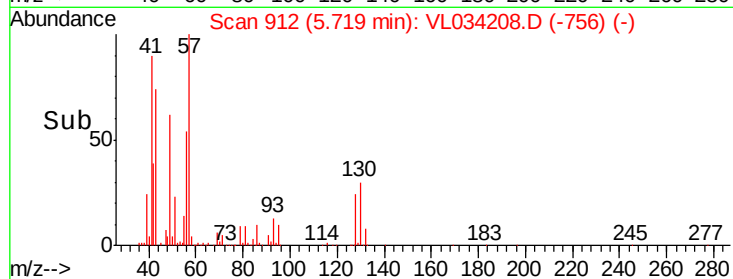
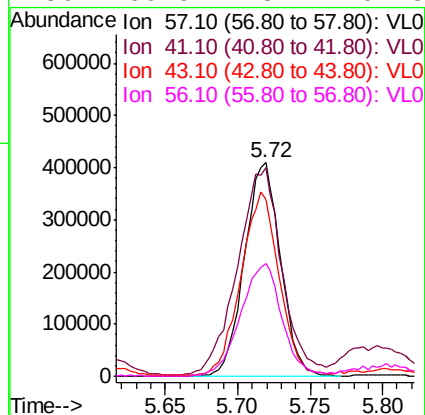
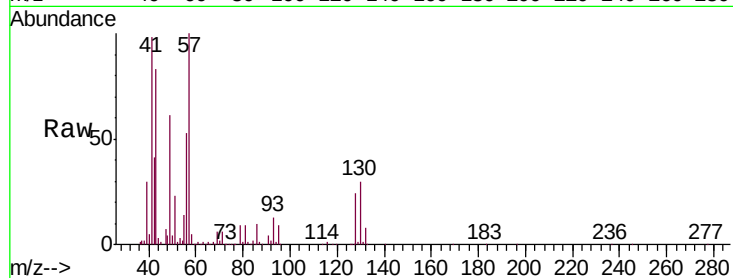




#26
Hexane
Concen: 5.918 ppbv
RT: 5.72 min Scan# 912
Delta R.T. 0.00 min
Lab File: VL034208.D
Acq: 2 Oct 2019 13:12

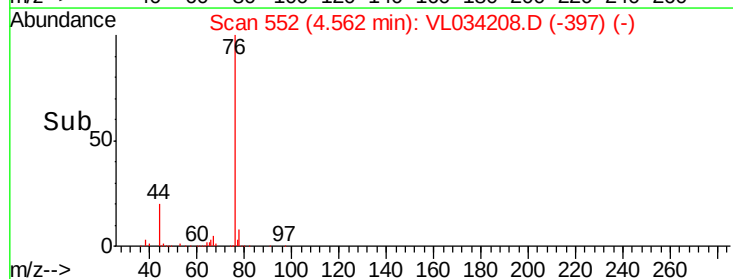
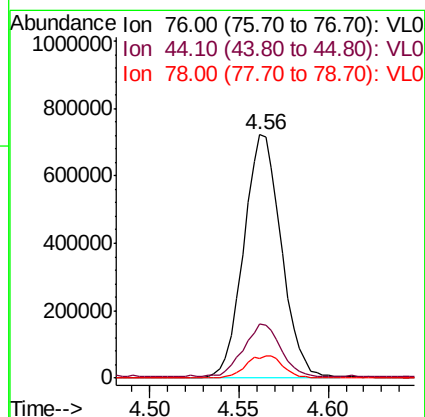
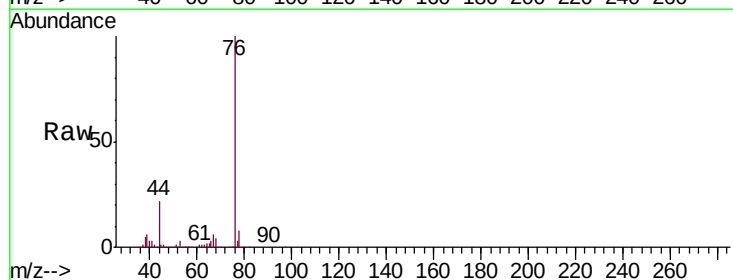
Instrument :
MSVOA_L
ClientSampled :
SV-5

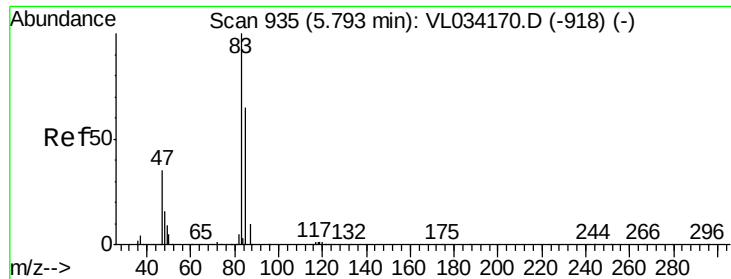
Tgt Ion	Ratio	Lower	Upper
57	100		
41	119.5	78.5	117.7#
43	91.0	189.5	284.3#
56	60.9	43.2	64.8



#27
Carbon Disulfide
Concen: 9.683 ppbv
RT: 4.56 min Scan# 552
Delta R.T. -0.00 min
Lab File: VL034208.D
Acq: 2 Oct 2019 13:12

Tgt Ion	Ratio	Lower	Upper
76	100		
44	22.9	17.6	26.4
78	9.3	7.6	11.4

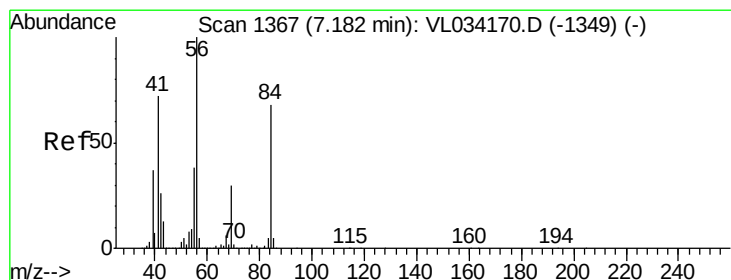
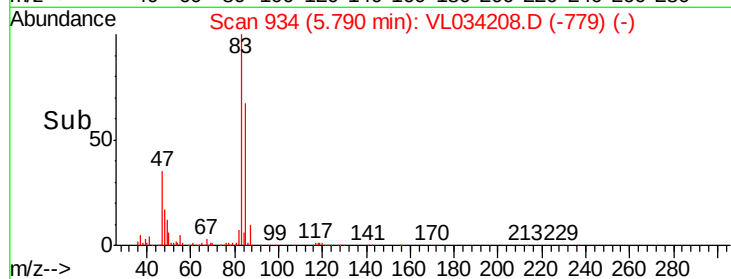
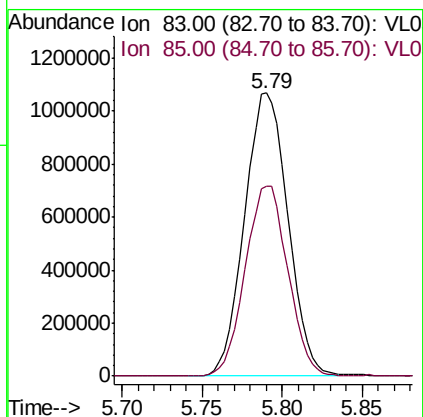
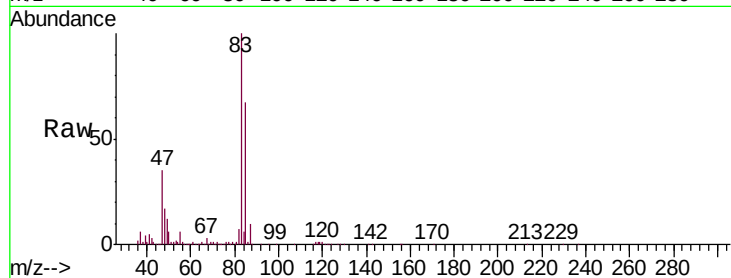




#29
Chloroform
Concen: 11.610 ppbv
RT: 5.79 min Scan# 934
Delta R.T. -0.00 min
Lab File: VL034208.D
Acq: 2 Oct 2019 13:12

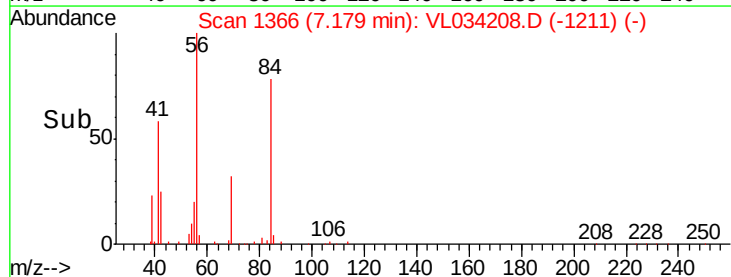
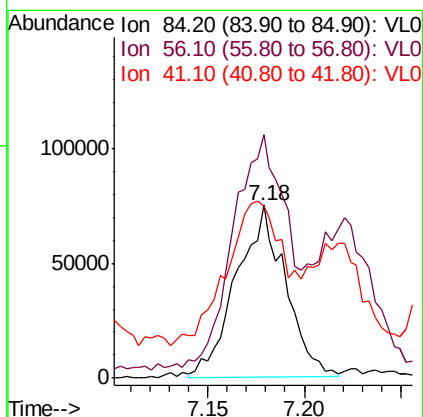
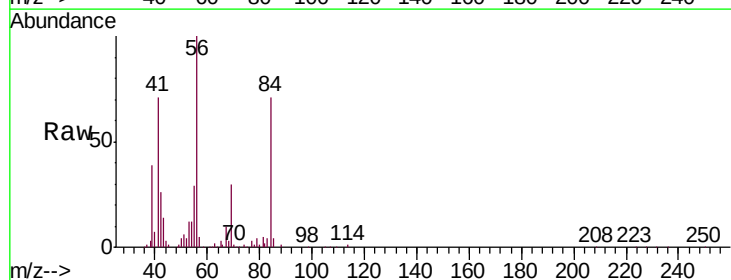
Instrument :
MSVOA_L
ClientSampleId :
SV-5

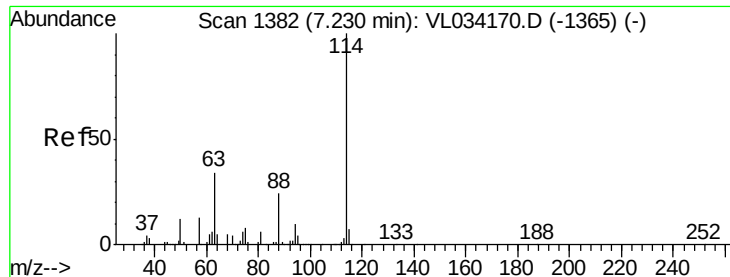
Tgt Ion: 83 Resp: 1981525
Ion Ratio Lower Upper
83 100
85 67.1 52.3 78.5



#30
Cyclohexane
Concen: 1.535 ppbv
RT: 7.18 min Scan# 1366
Delta R.T. -0.00 min
Lab File: VL034208.D
Acq: 2 Oct 2019 13:12

Tgt Ion: 84 Resp: 132373
Ion Ratio Lower Upper
84 100
56 158.9 126.2 189.2
41 138.3 85.8 128.8#

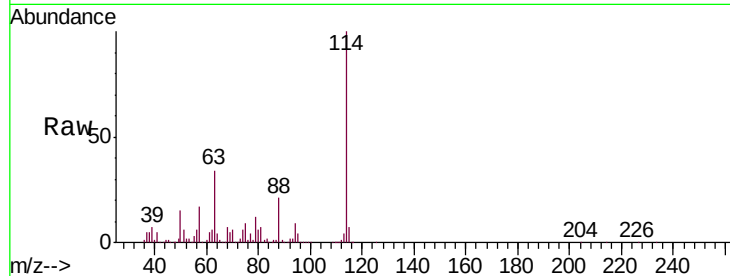




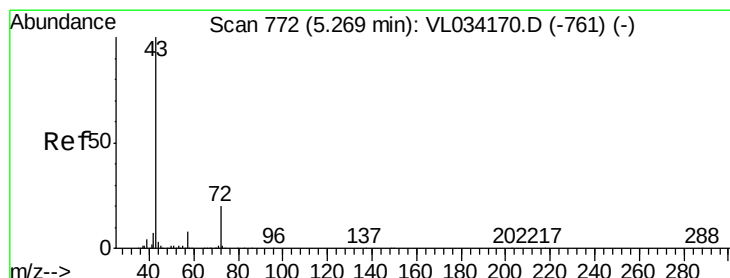
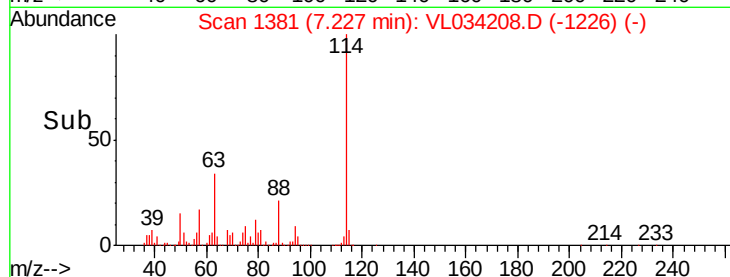
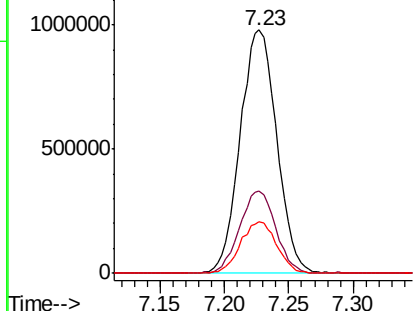
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.23 min Scan# 1381
 Delta R.T. -0.00 min
 Lab File: VL034208.D
 Acq: 2 Oct 2019 13:12

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-5

Tgt Ion:114 Resp: 1936261
 Ion Ratio Lower Upper
 114 100
 63 33.5 27.8 41.6
 88 21.0 17.1 25.7

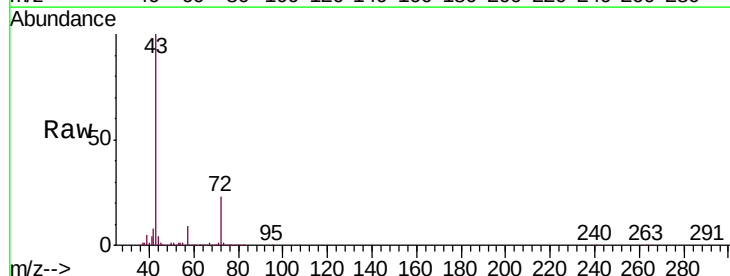


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

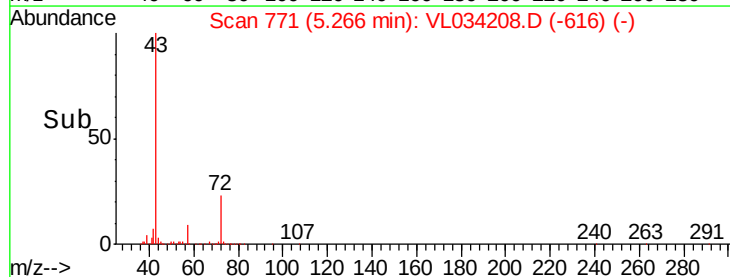
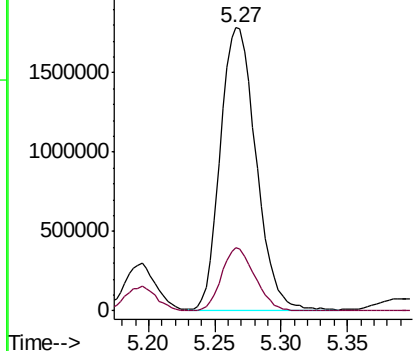


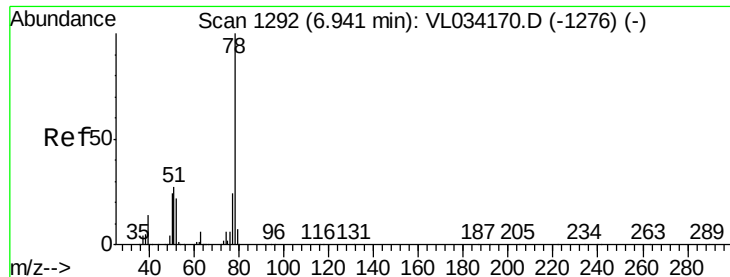
#34
 2-Butanone
 Concen: 16.806 ppbv
 RT: 5.27 min Scan# 771
 Delta R.T. -0.00 min
 Lab File: VL034208.D
 Acq: 2 Oct 2019 13:12

Tgt Ion: 43 Resp: 3322601
 Ion Ratio Lower Upper
 43 100
 72 20.8 15.0 22.6



Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0





#36

Benzene

Concen: 12.334 ppbv

RT: 6.94 min Scan# 1291

Delta R.T. -0.00 min

Lab File: VL034208.D

Acq: 2 Oct 2019 13:12

Instrument :

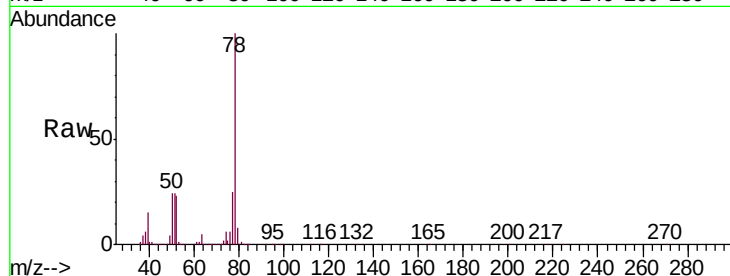
MSVOA_L

ClientSampleId :

SV-5

Tgt Ion: 78 Resp: 2637630

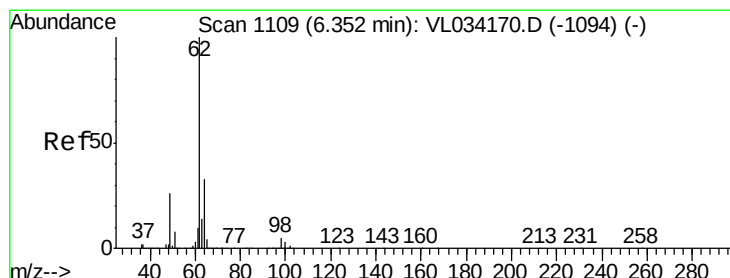
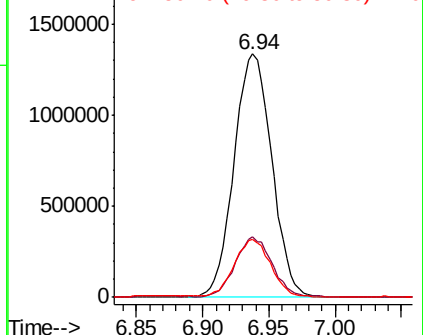
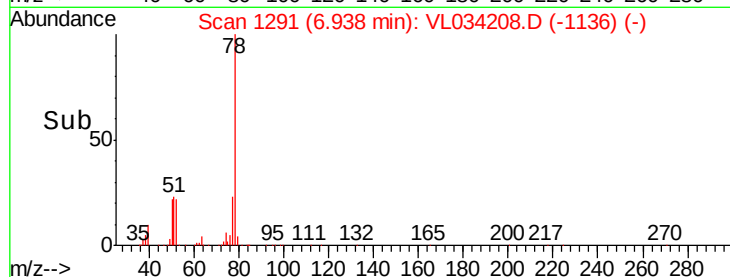
Ion	Ratio	Lower	Upper
78	100		
77	24.6	19.0	28.4
50	23.4	18.9	28.3



Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0



#37

1,2-Dichloroethane

Concen: 0.098 ppbv

RT: 6.35 min Scan# 1109

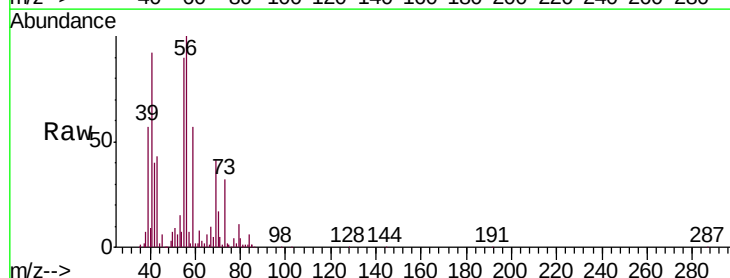
Delta R.T. 0.00 min

Lab File: VL034208.D

Acq: 2 Oct 2019 13:12

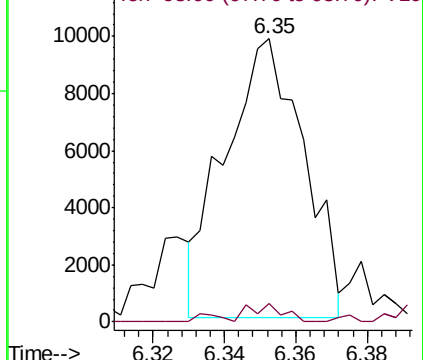
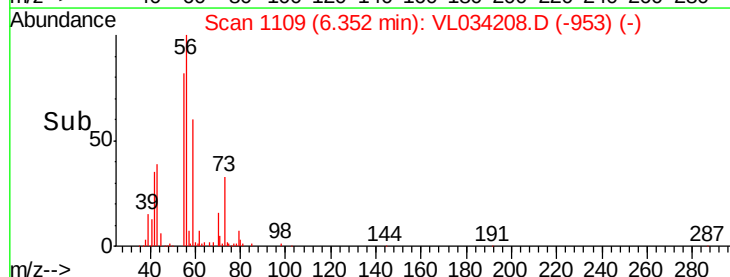
Tgt Ion: 62 Resp: 14863

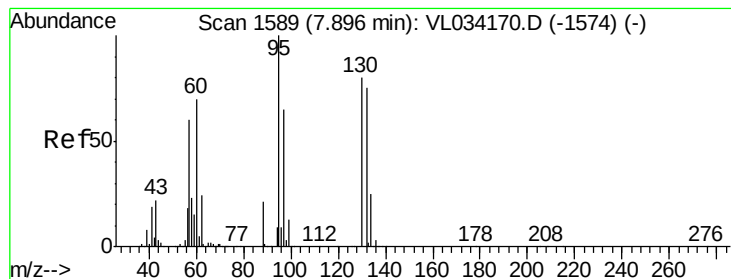
Ion	Ratio	Lower	Upper
62	100		
98	4.2	3.8	5.8



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#38

Trichloroethene

Concen: 0.043 ppbv

RT: 7.90 min Scan# 1589

Delta R.T. 0.00 min

Lab File: VL034208.D

Acq: 2 Oct 2019 13:12

Instrument :

MSVOA_L

ClientSampleId :

SV-5

Tgt Ion:130 Resp: 3321

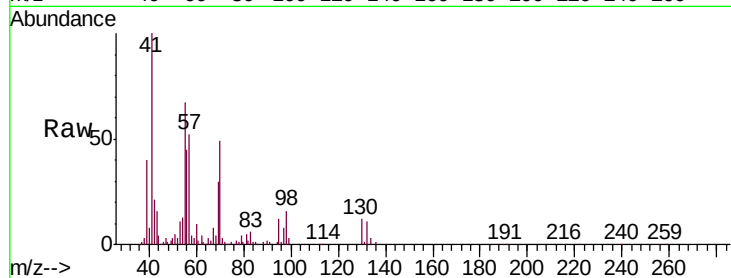
Ion Ratio Lower Upper

130 100

95 91.9 99.8 149.6#

132 67.9 75.2 112.8#

97 62.8 65.0 97.4#

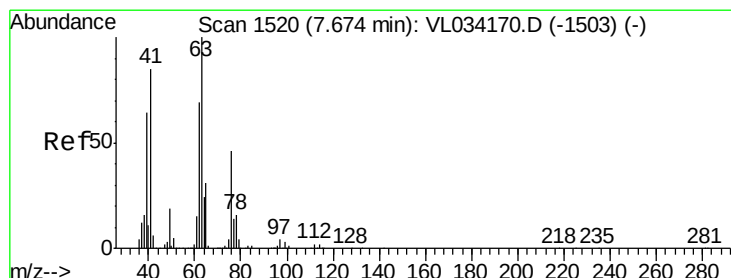
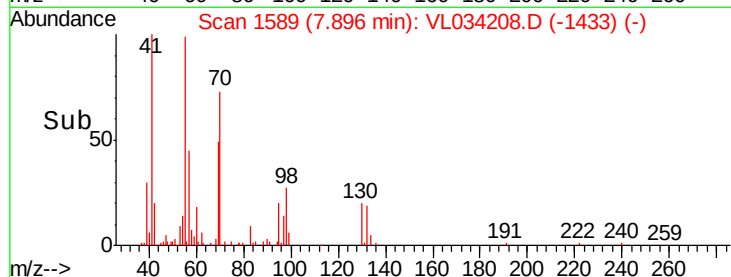
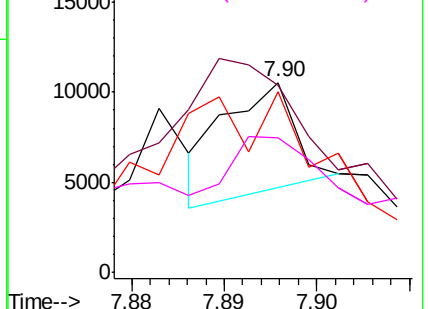


Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0



#39

1,2-Dichloropropane

Concen: 6.615 ppbv

RT: 7.23 min Scan# 1381

Delta R.T. -0.45 min

Lab File: VL034208.D

Acq: 2 Oct 2019 13:12

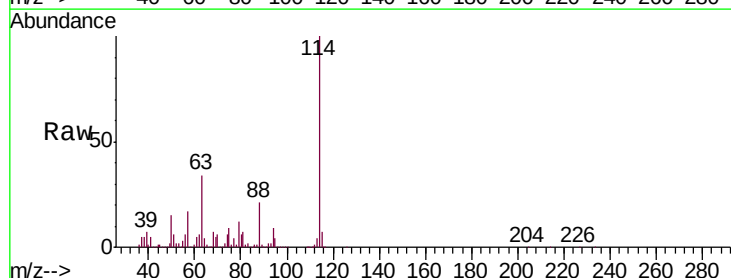
Tgt Ion: 63 Resp: 635629

Ion Ratio Lower Upper

63 100

41 0.0 68.4 102.6#

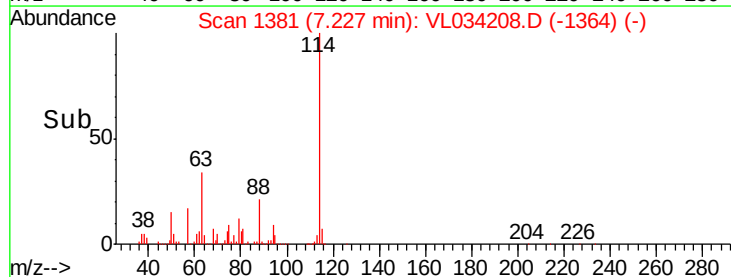
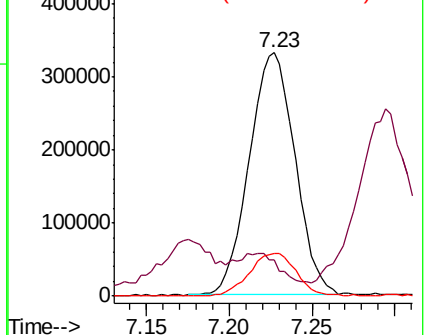
62 17.2 55.4 83.2#

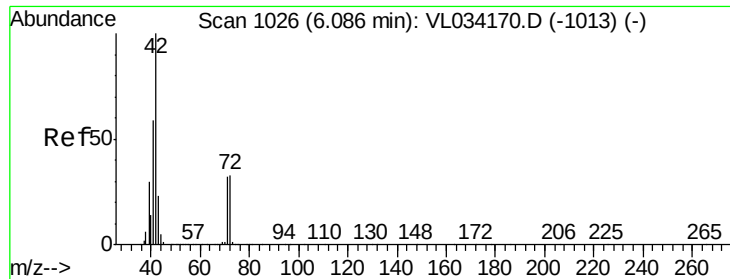


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0

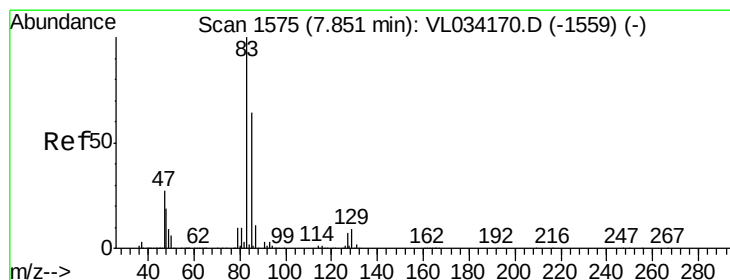
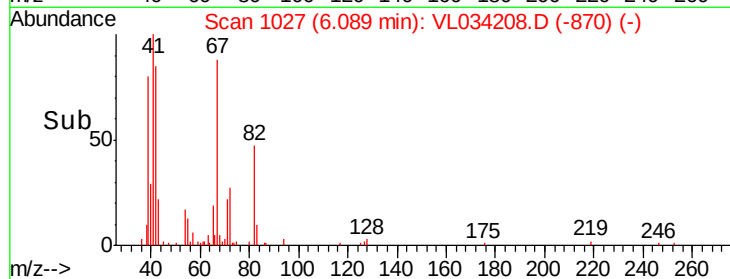
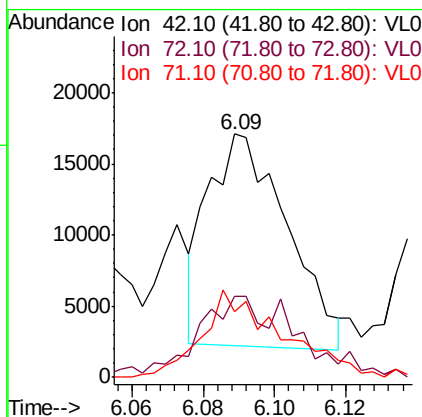
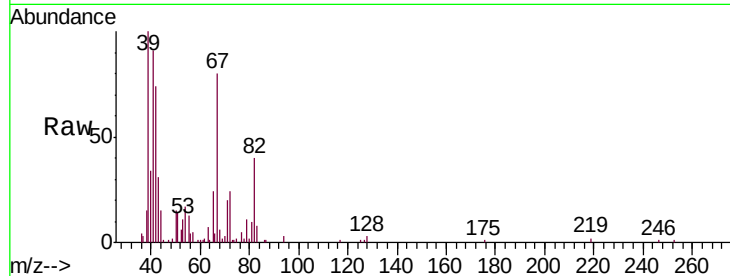




#41
Tetrahydrofuran
Concen: 0.206 ppbv
RT: 6.09 min Scan# 1027
Delta R.T. 0.00 min
Lab File: VL034208.D
Acq: 2 Oct 2019 13:12

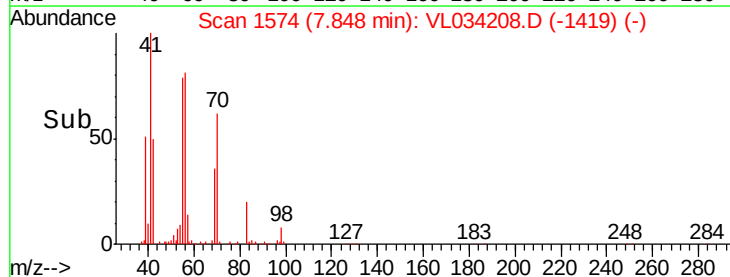
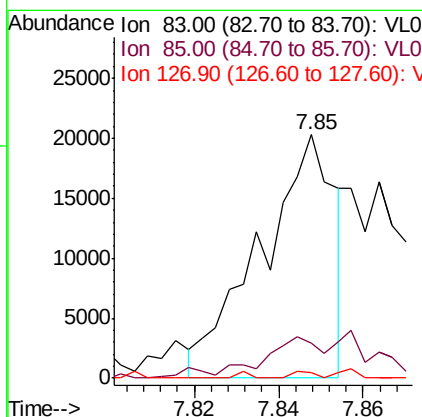
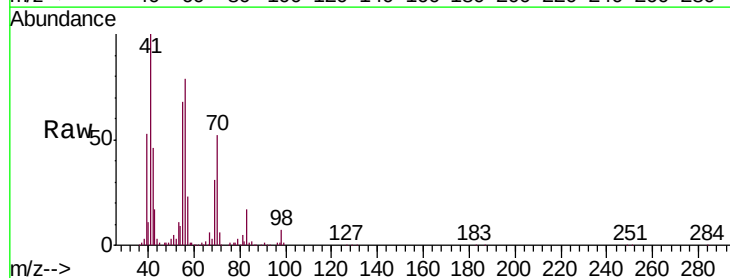
Instrument :
MSVOA_L
ClientSampleId :
SV-5

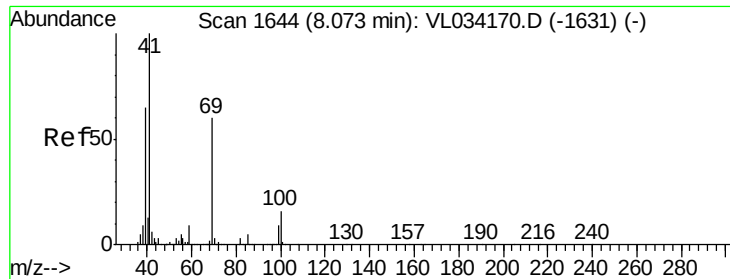
Tgt Ion	Ratio	Lower	Upper
42	100		
72	54.7	26.6	40.0#
71	41.9	25.1	37.7#



#42
Bromodichloromethane
Concen: 0.135 ppbv
RT: 7.85 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VL034208.D
Acq: 2 Oct 2019 13:12

Tgt Ion	Ratio	Lower	Upper
83	100		
85	11.0	51.4	77.0#
127	2.3	5.5	8.3#

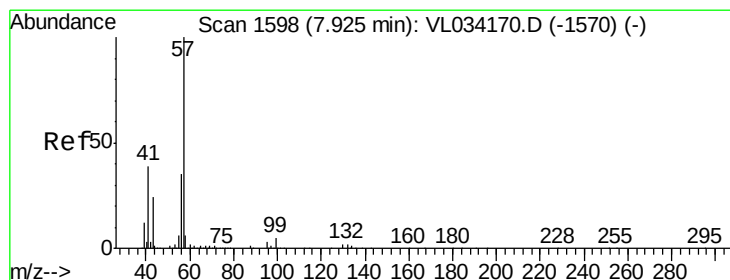
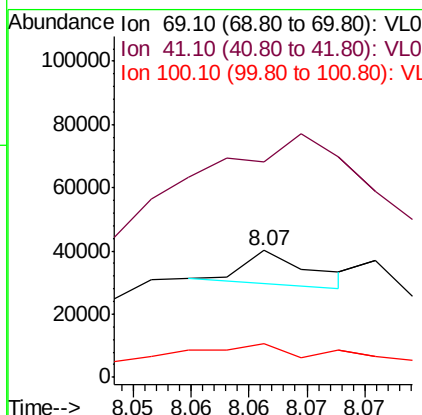
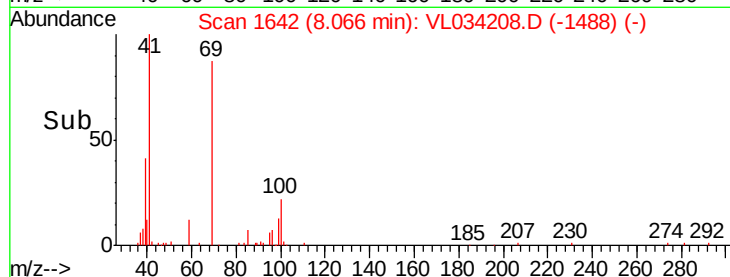
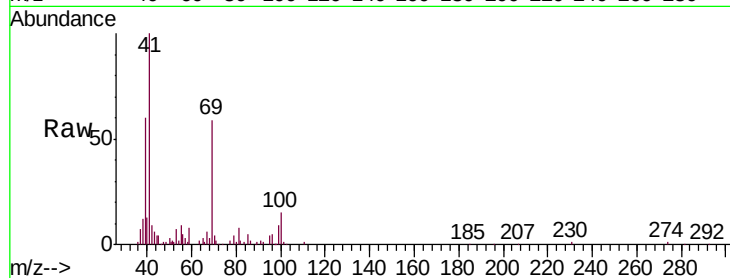




#43
Methyl Methacrylate
Concen: 0.044 ppbv
RT: 8.07 min Scan# 1642
Delta R.T. -0.01 min
Lab File: VL034208.D
Acq: 2 Oct 2019 13:12

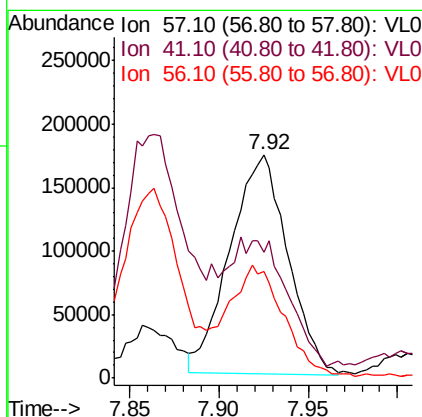
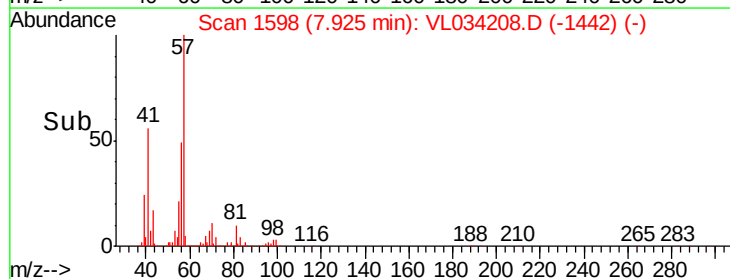
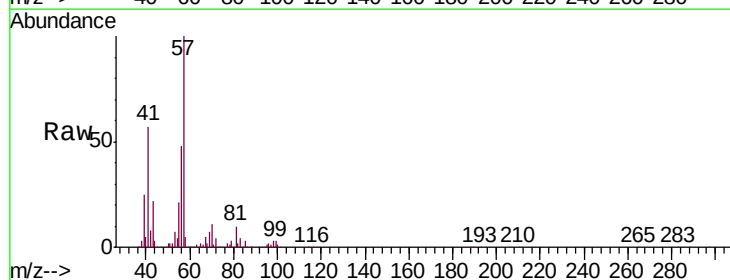
Instrument :
MSVOA_L
ClientSampleId :
SV-5

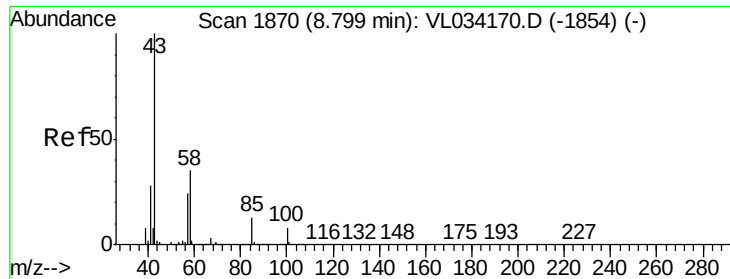
Tgt Ion: 69 Resp: 3853
Ion Ratio Lower Upper
69 100
41 6513.6 140.4 210.6#
100 481.8 21.9 32.9#



#44
2,2,4-Trimethylpentane
Concen: 0.950 ppbv
RT: 7.92 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VL034208.D
Acq: 2 Oct 2019 13:12

Tgt Ion: 57 Resp: 390994
Ion Ratio Lower Upper
57 100
41 73.0 29.8 44.6#
56 48.6 25.9 38.9#





#50

4-Methyl-2-Pentanone

Concen: 0.822 ppbv

RT: 8.80 min Scan# 1870

Delta R.T. 0.00 min

Lab File: VL034208.D

Acq: 2 Oct 2019 13:12

Instrument :

MSVOA_L

ClientSampleId :

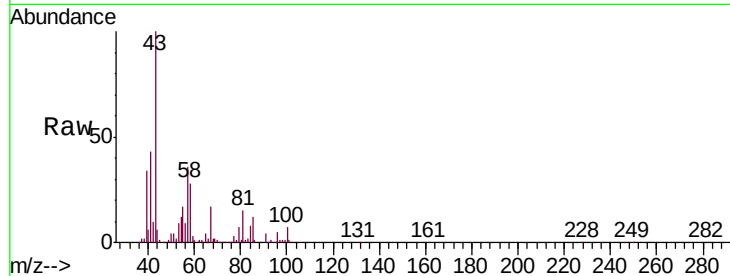
SV-5

Tgt Ion: 43 Resp: 236372

Ion Ratio Lower Upper

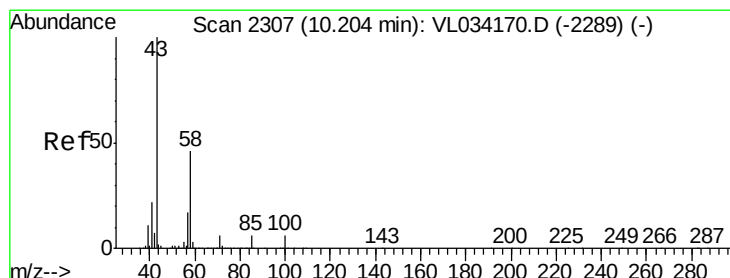
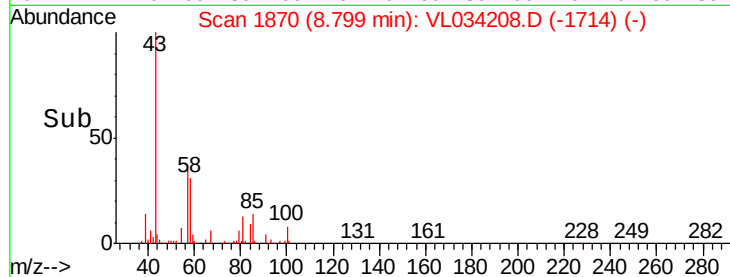
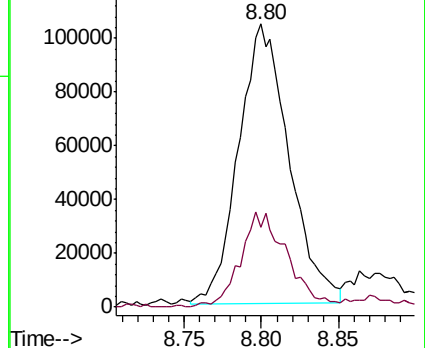
43 100

58 31.0 27.6 41.4



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#51

2-Hexanone

Concen: 2.186 ppbv

RT: 10.19 min Scan# 2303

Delta R.T. -0.01 min

Lab File: VL034208.D

Acq: 2 Oct 2019 13:12

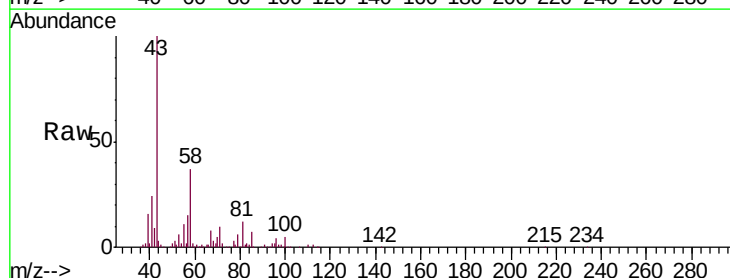
Tgt Ion: 43 Resp: 527968

Ion Ratio Lower Upper

43 100

58 42.5 36.2 54.4

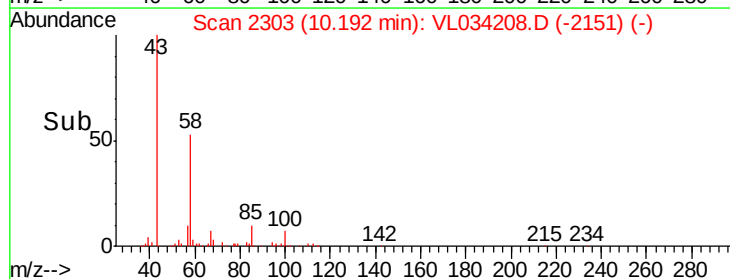
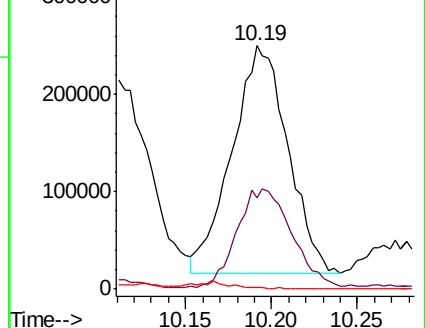
98 2.5 0.2 0.2#

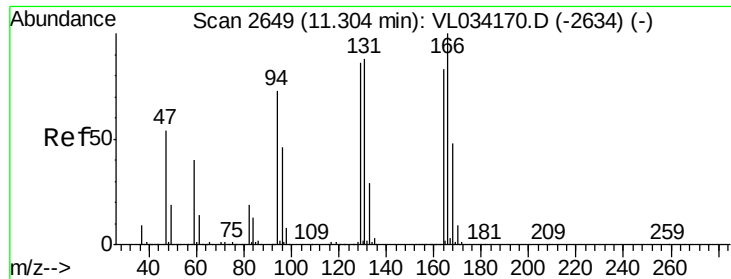


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 98.20 (97.90 to 98.90): VL0

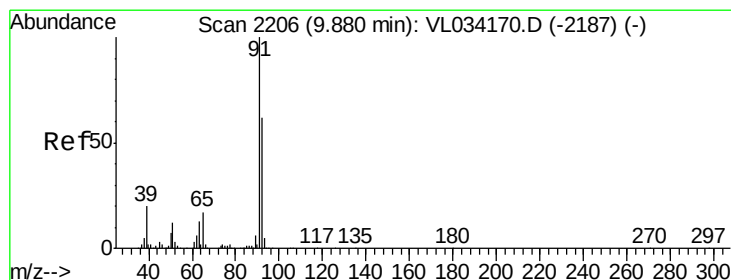
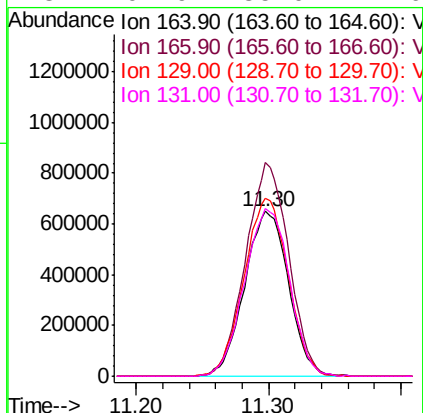
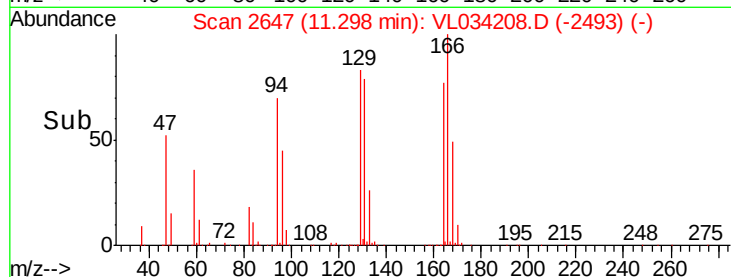
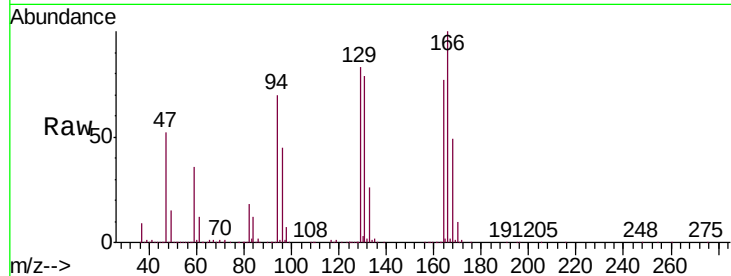




#52
Tetrachloroethene
Concen: 21.246 ppbv
RT: 11.30 min Scan# 2647
Delta R.T. -0.01 min
Lab File: VL034208.D
Acq: 2 Oct 2019 13:12

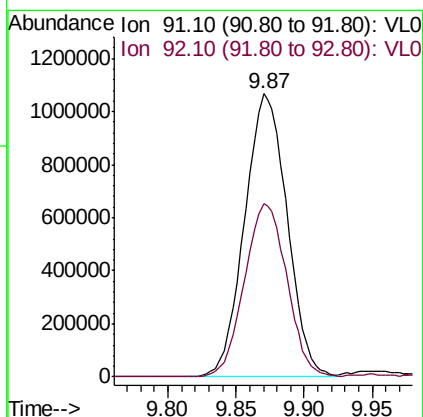
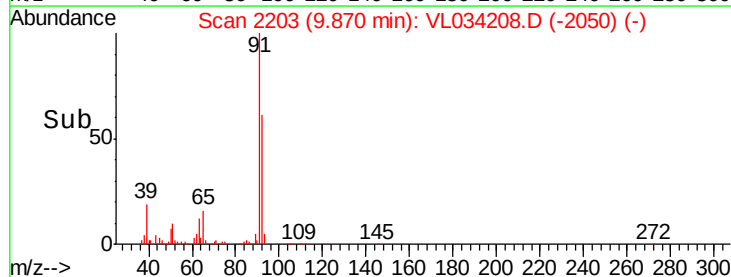
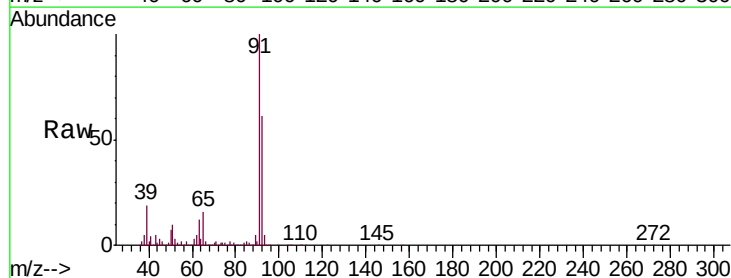
Instrument :
MSVOA_L
ClientSampled :
SV-5

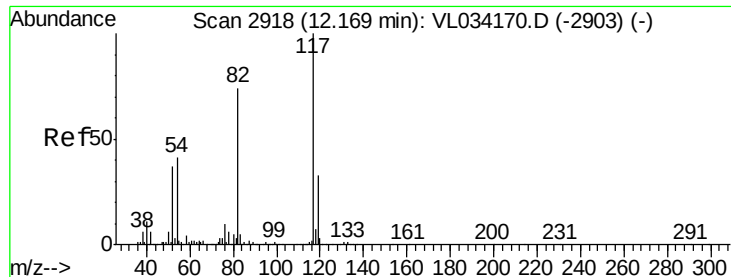
Tgt Ion:164 Resp: 1501111
Ion Ratio Lower Upper
164 100
166 129.4 96.7 145.1
129 107.8 82.8 124.2
131 101.9 85.0 127.6



#53
Toluene
Concen: 9.860 ppbv
RT: 9.87 min Scan# 2203
Delta R.T. -0.01 min
Lab File: VL034208.D
Acq: 2 Oct 2019 13:12

Tgt Ion: 91 Resp: 2304316
Ion Ratio Lower Upper
91 100
92 61.0 49.0 73.6





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.16 min Scan# 2916

Delta R.T. -0.01 min

Lab File: VL034208.D

Acq: 2 Oct 2019 13:12

Instrument :

MSVOA_L

ClientSampleId :

SV-5

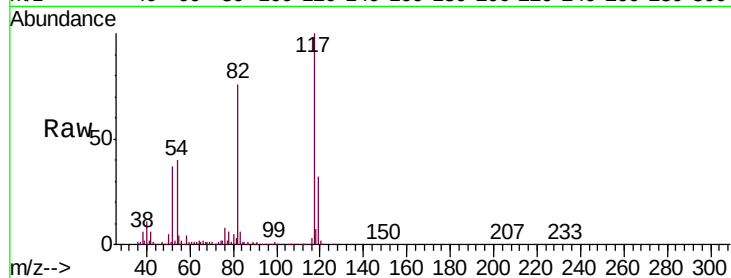
Tgt Ion:117 Resp: 1975262

Ion Ratio Lower Upper

117 100

82 75.3 58.2 87.4

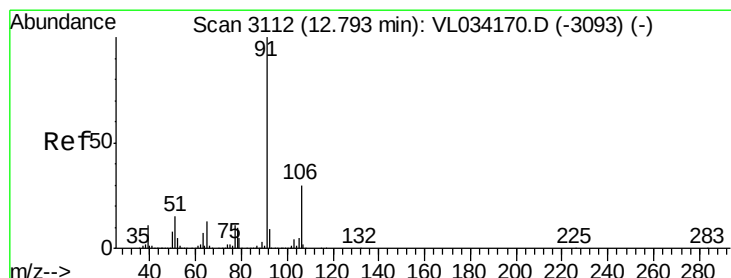
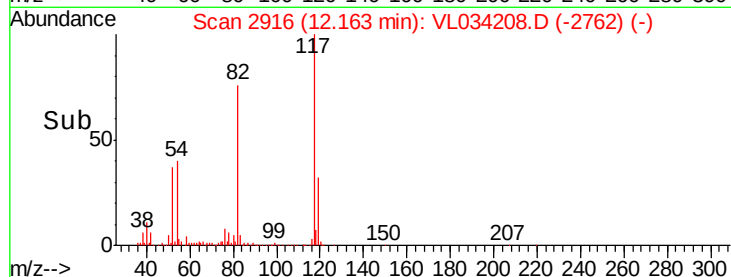
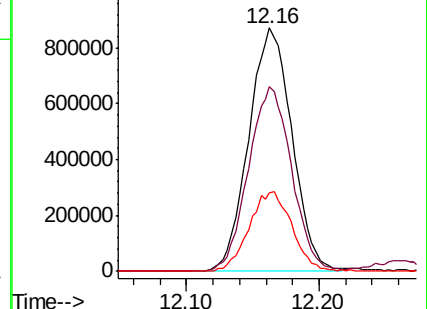
119 32.5 23.7 35.5



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V



#58

Ethyl Benzene

Concen: 0.915 ppbv

RT: 12.79 min Scan# 3110

Delta R.T. -0.01 min

Lab File: VL034208.D

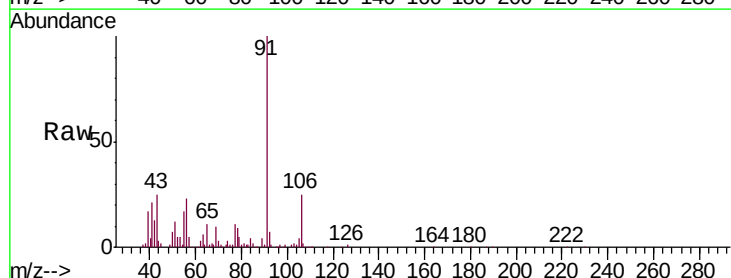
Acq: 2 Oct 2019 13:12

Tgt Ion: 91 Resp: 291491

Ion Ratio Lower Upper

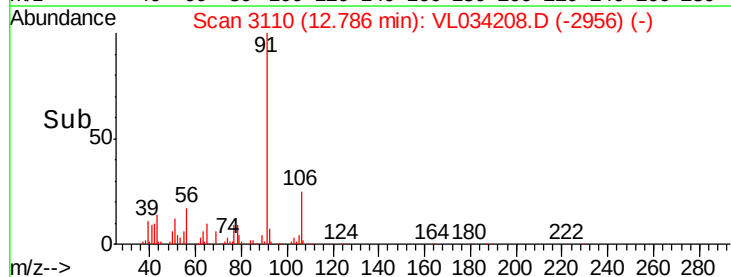
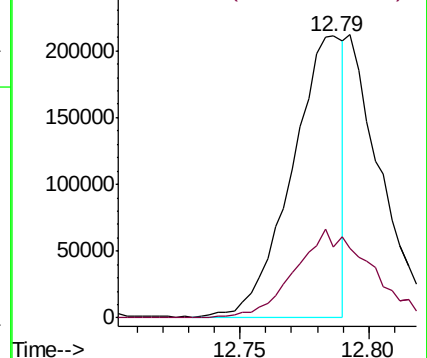
91 100

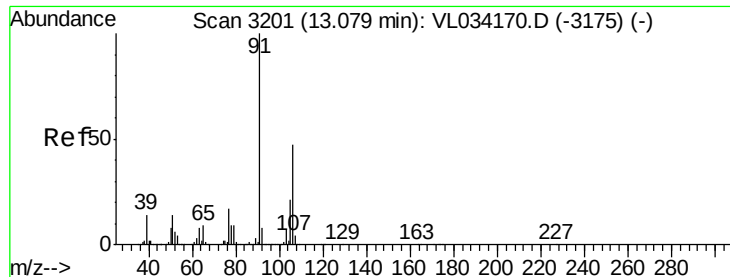
106 25.1 24.2 36.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 0.908 ppbv

RT: 13.07 min Scan# 3199

Delta R.T. -0.01 min

Lab File: VL034208.D

Acq: 2 Oct 2019 13:12

Instrument :

MSVOA_L

ClientSampleId :

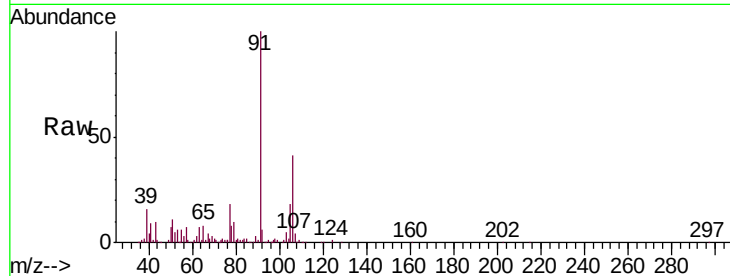
SV-5

Tgt Ion: 91 Resp: 239651

Ion Ratio Lower Upper

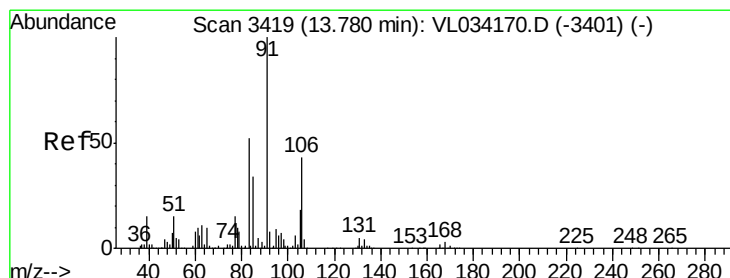
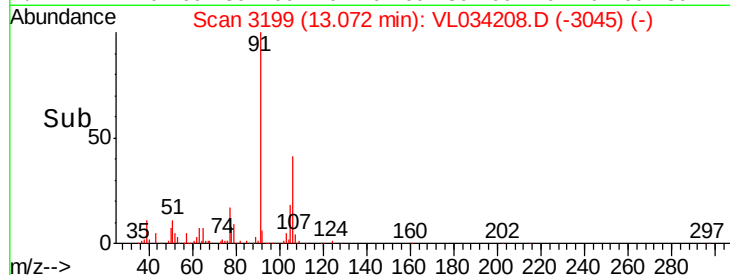
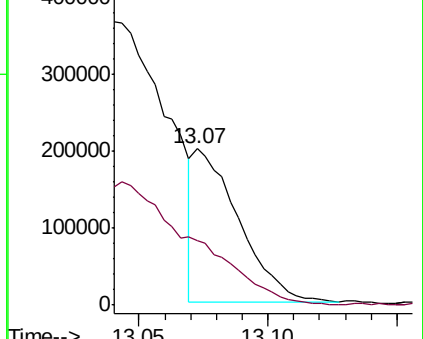
91 100

106 0.0 35.5 53.3#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#60

o-Xylene

Concen: 1.667 ppbv

RT: 13.77 min Scan# 3417

Delta R.T. -0.01 min

Lab File: VL034208.D

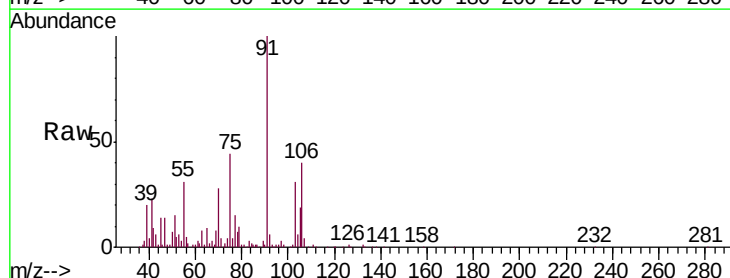
Acq: 2 Oct 2019 13:12

Tgt Ion: 91 Resp: 440013

Ion Ratio Lower Upper

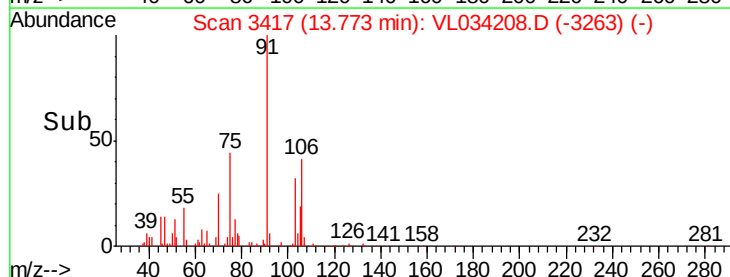
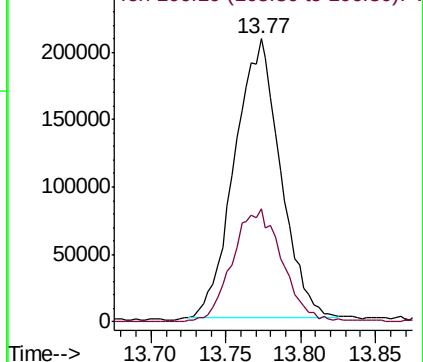
91 100

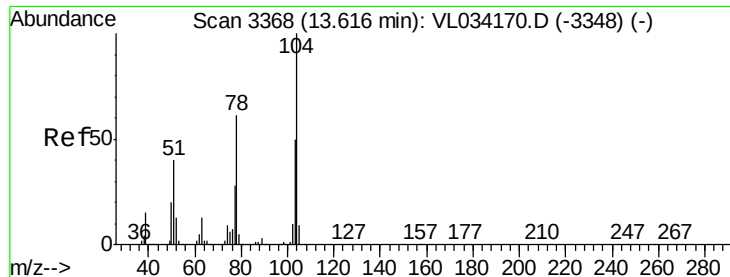
106 44.8 21.2 63.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#61

Styrene

Concen: 0.084 ppbv

RT: 13.61 min Scan# 3367

Delta R.T. -0.00 min

Lab File: VL034208.D

Acq: 2 Oct 2019 13:12

Instrument :

MSVOA_L

ClientSampleId :

SV-5

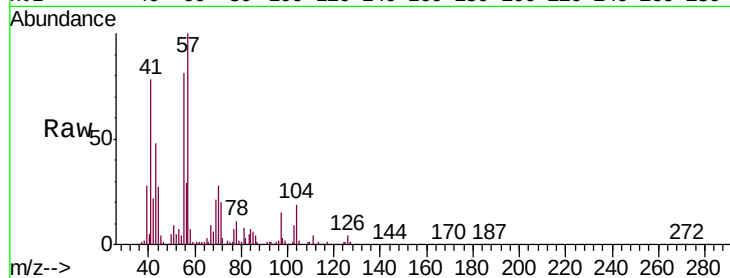
Tgt Ion:104 Resp: 15863

Ion Ratio Lower Upper

104 100

78 0.0 49.7 74.5#

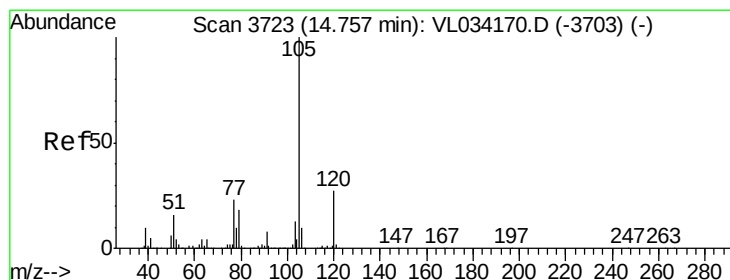
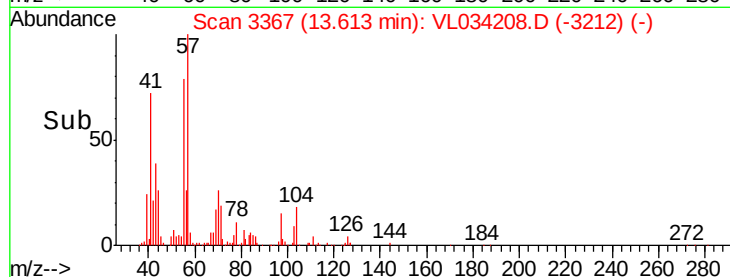
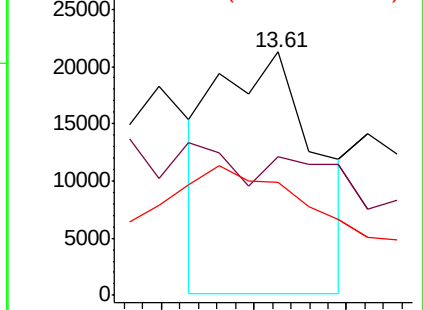
103 138.7 38.4 57.6#



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 0.104 ppbv

RT: 14.74 min Scan# 3719

Delta R.T. -0.01 min

Lab File: VL034208.D

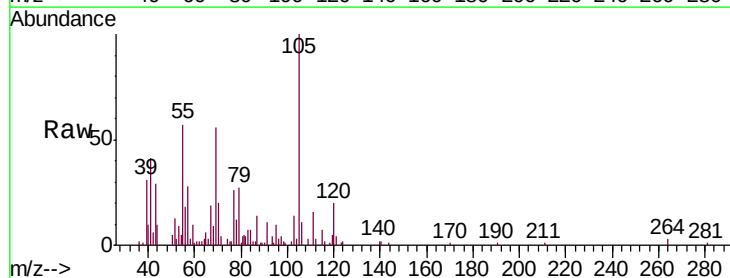
Acq: 2 Oct 2019 13:12

Tgt Ion:105 Resp: 35383

Ion Ratio Lower Upper

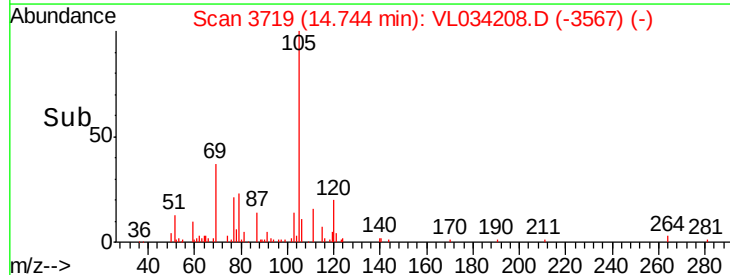
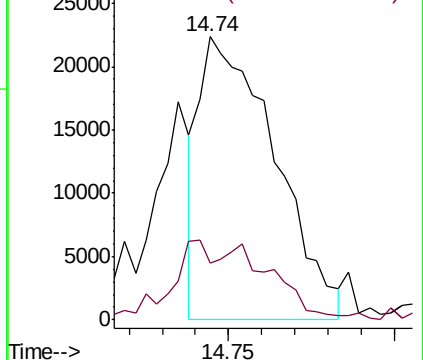
105 100

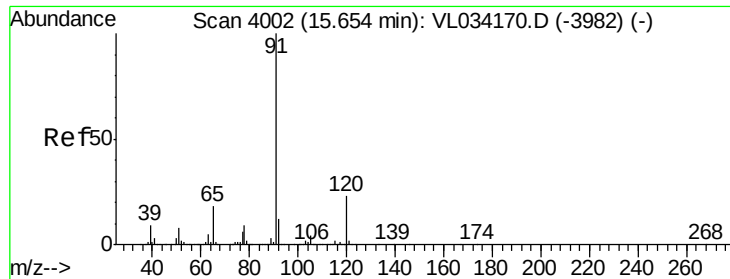
120 35.9 20.7 31.1#



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#64

n-propylbenzene

Concen: 0.100 ppbv

RT: 15.64 min Scan# 3998

Delta R.T. -0.01 min

Lab File: VL034208.D

Acq: 2 Oct 2019 13:12

Instrument :

MSVOA_L

ClientSampleId :

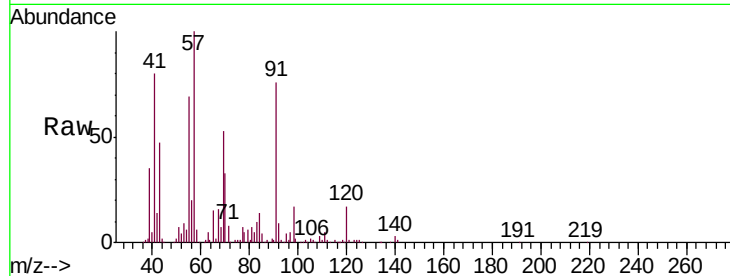
SV-5

Tgt Ion:120 Resp: 8610

Ion Ratio Lower Upper

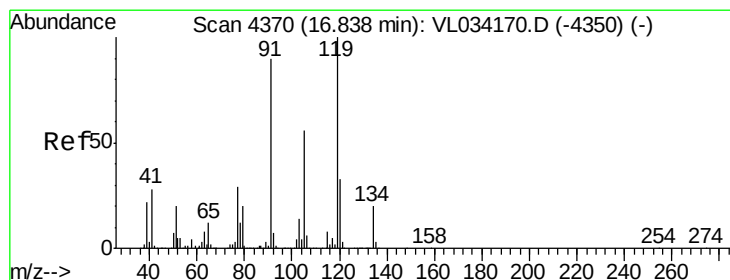
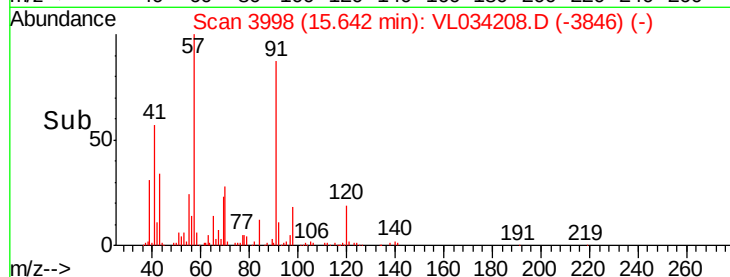
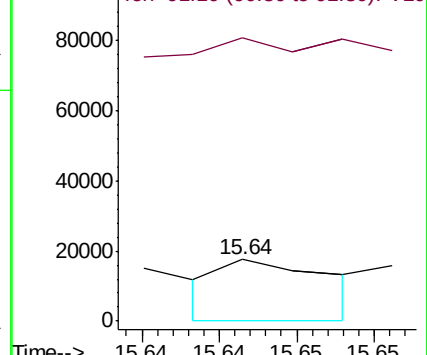
120 100

91 2367.6 378.2 567.2#



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0



#65

tert-Butylbenzene

Concen: 0.075 ppbv

RT: 16.84 min Scan# 4370

Delta R.T. 0.00 min

Lab File: VL034208.D

Acq: 2 Oct 2019 13:12

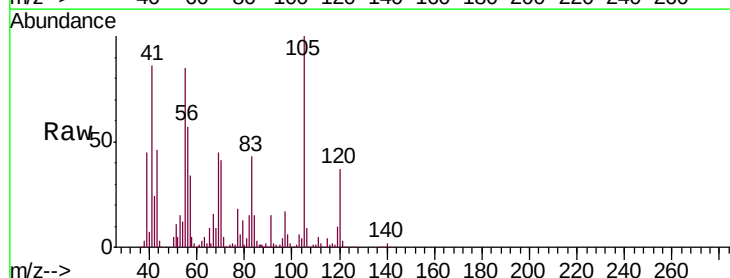
Tgt Ion:119 Resp: 22351

Ion Ratio Lower Upper

119 100

91 0.0 74.9 112.3#

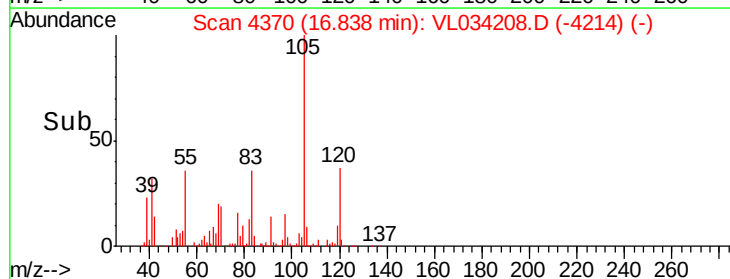
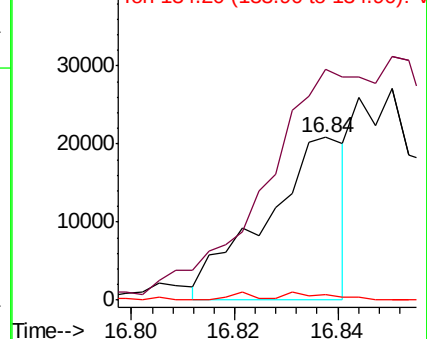
134 4.3 15.8 23.6#

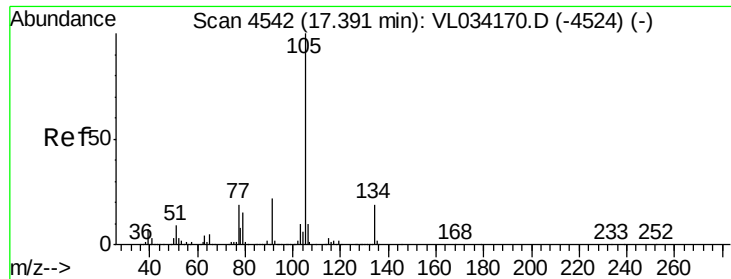


Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V





#67

sec-Butylbenzene

Concen: 0.041 ppbv

RT: 17.38 min Scan# 4540

Delta R.T. -0.01 min

Lab File: VL034208.D

Acq: 2 Oct 2019 13:12

Instrument :

MSVOA_L

ClientSampleId :

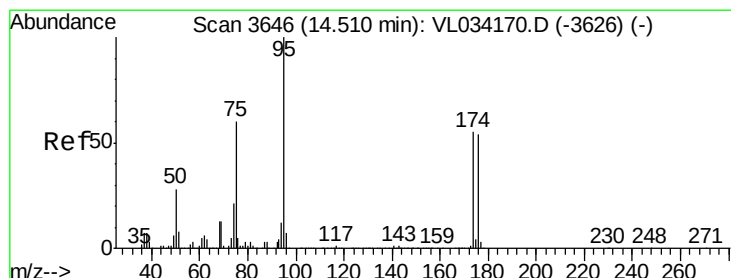
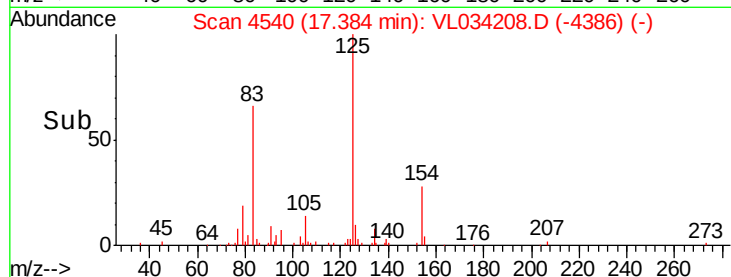
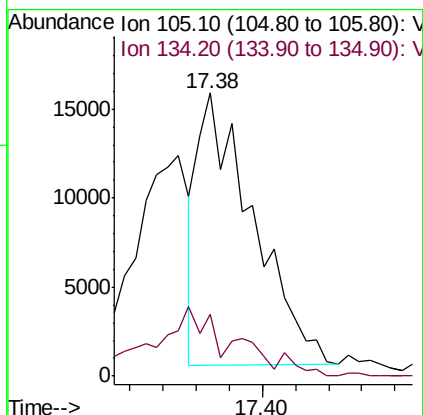
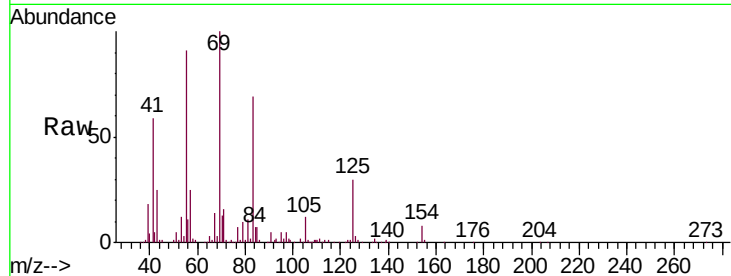
SV-5

Tgt Ion:105 Resp: 17663

Ion Ratio Lower Upper

105 100

134 0.0 14.6 22.0#



#68

1-Bromo-4-Fluorobenzene

Concen: 10.044 ppbv

RT: 14.50 min Scan# 3642

Delta R.T. -0.01 min

Lab File: VL034208.D

Acq: 2 Oct 2019 13:12

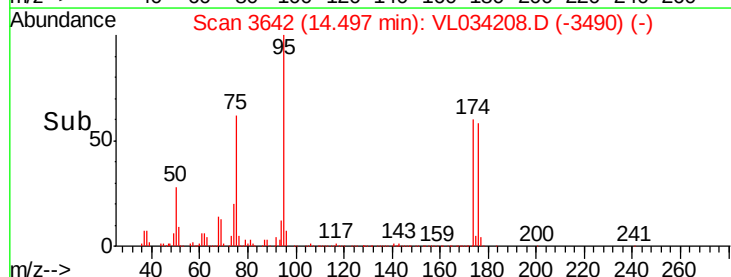
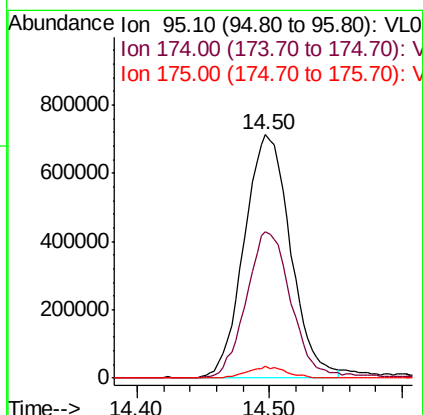
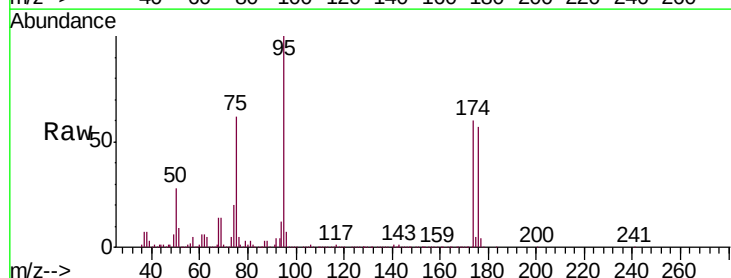
Tgt Ion: 95 Resp: 1723837

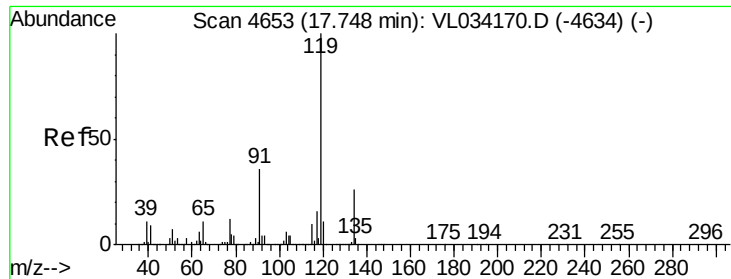
Ion Ratio Lower Upper

95 100

174 59.9 45.1 67.7

175 4.1 3.3 4.9

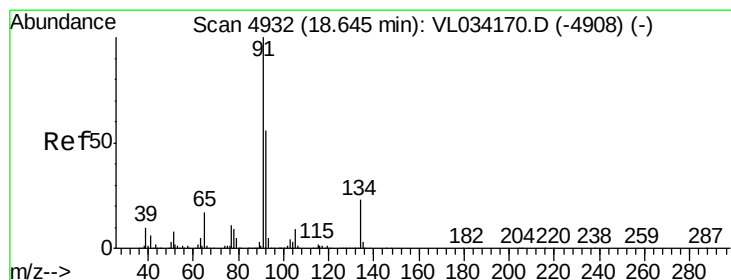
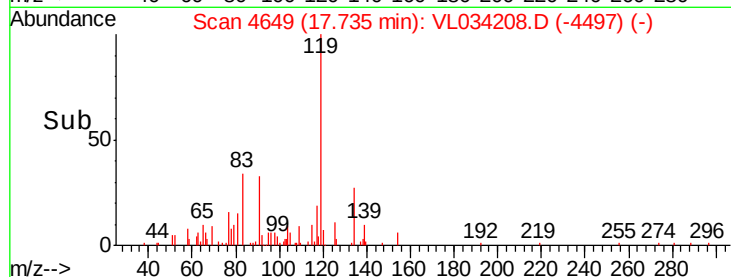
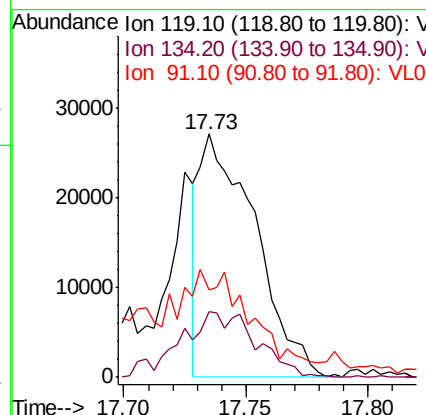
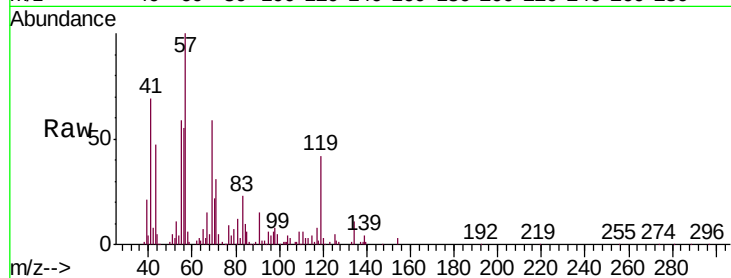




#69
p-Isopropyltoluene
Concen: 0.125 ppbv
RT: 17.73 min Scan# 4649
Delta R.T. -0.01 min
Lab File: VL034208.D
Acq: 2 Oct 2019 13:12

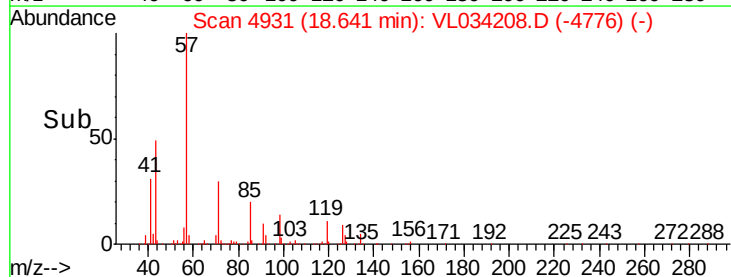
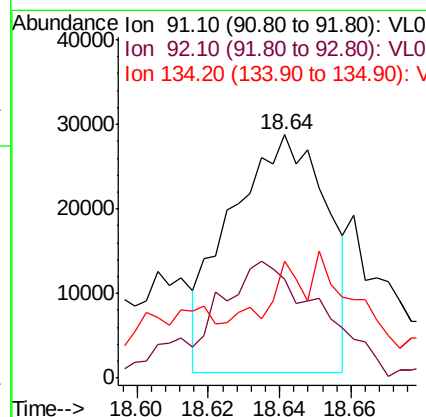
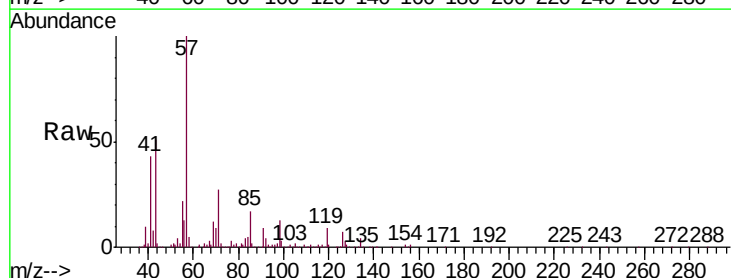
Instrument :
MSVOA_L
ClientSampleId :
SV-5

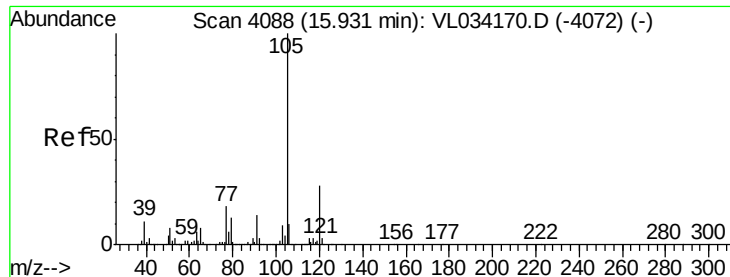
Tgt Ion: 119 Resp: 43049
Ion Ratio Lower Upper
119 100
134 38.0 20.6 30.8#
91 59.7 27.6 41.4#



#70
n-Butylbenzene
Concen: 0.131 ppbv
RT: 18.64 min Scan# 4931
Delta R.T. -0.00 min
Lab File: VL034208.D
Acq: 2 Oct 2019 13:12

Tgt Ion: 91 Resp: 52796
Ion Ratio Lower Upper
91 100
92 61.8 44.8 67.2
134 0.0 17.3 25.9#





#72

4-Ethyltoluene

Concen: 0.626 ppbv

RT: 15.92 min Scan# 4084

Delta R.T. -0.01 min

Lab File: VL034208.D

Acq: 2 Oct 2019 13:12

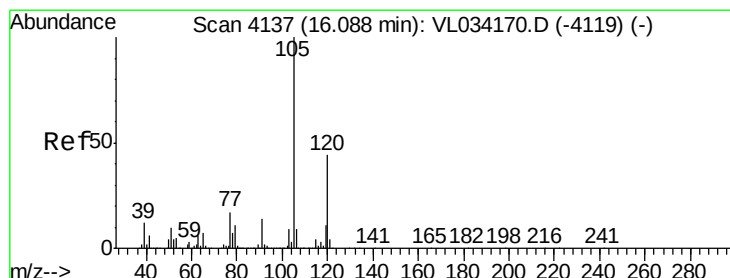
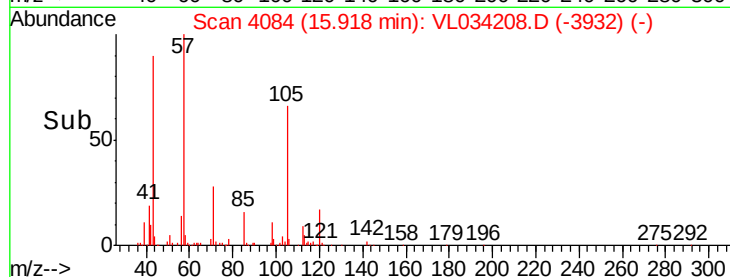
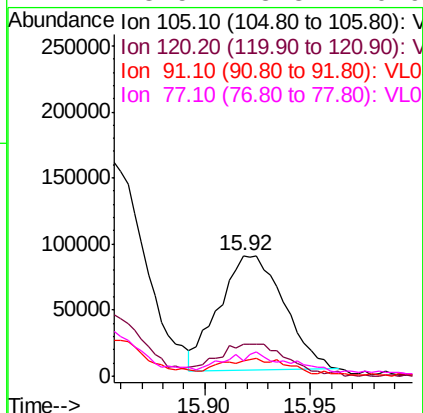
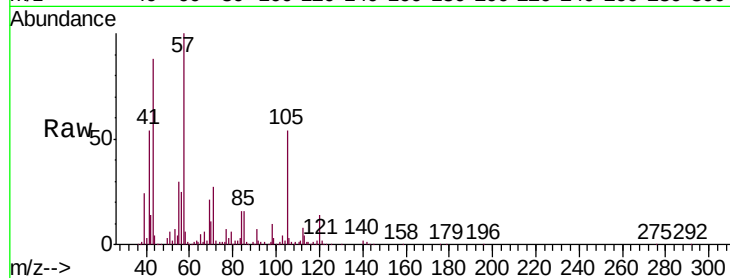
Instrument :

MSVOA_L

ClientSampleId :

SV-5

Tgt Ion:	105	Resp:	186617
Ion	Ratio	Lower	Upper
105	100		
120	30.7	23.3	34.9
91	14.4	11.4	17.2
77	18.5	13.3	19.9



#73

1,3,5-Trimethylbenzene

Concen: 0.357 ppbv

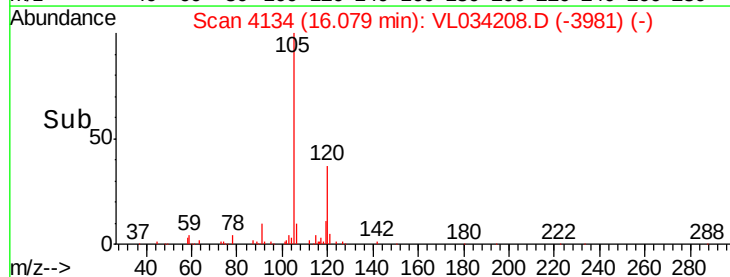
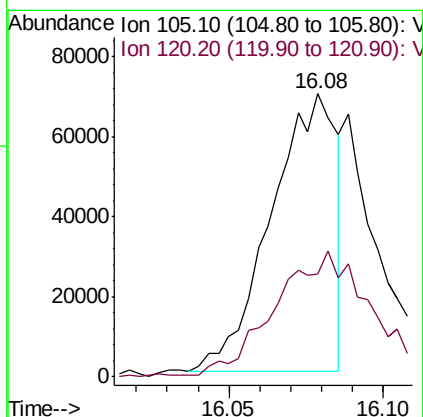
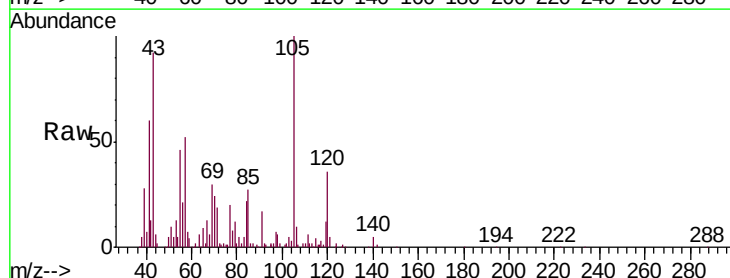
RT: 16.08 min Scan# 4134

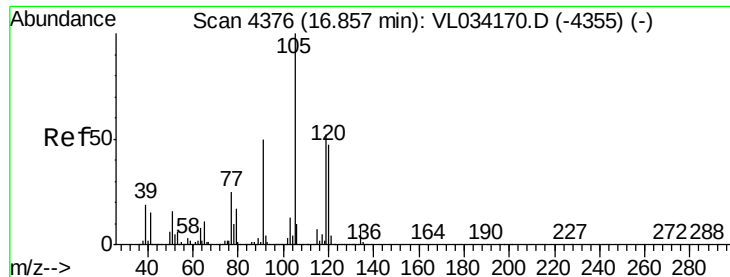
Delta R.T. -0.01 min

Lab File: VL034208.D

Acq: 2 Oct 2019 13:12

Tgt Ion:	105	Resp:	102775
Ion	Ratio	Lower	Upper
105	100		
120	36.2	35.6	53.4

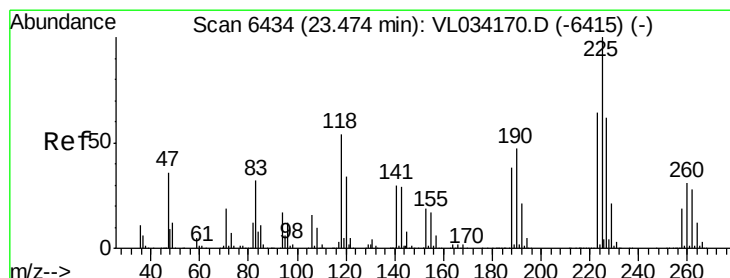
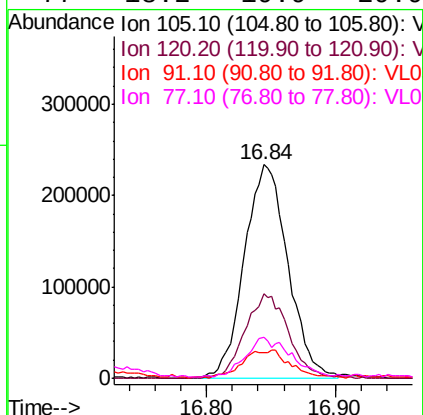
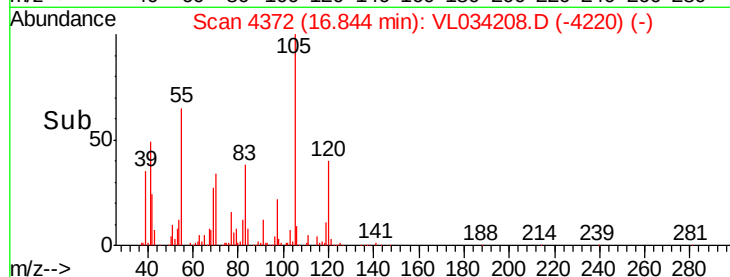
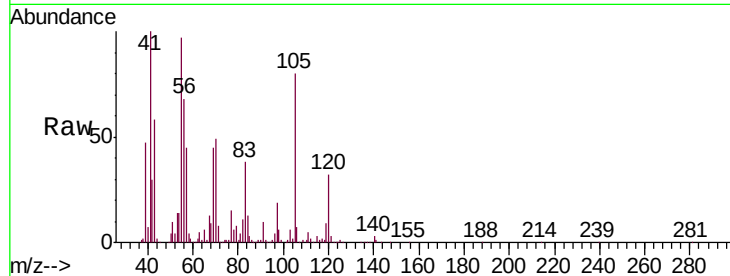




#74
 1,2,4-Trimethylbenzene
 Concen: 1.797 ppbv
 RT: 16.84 min Scan# 4372
 Delta R.T. -0.01 min
 Lab File: VL034208.D
 Acq: 2 Oct 2019 13:12

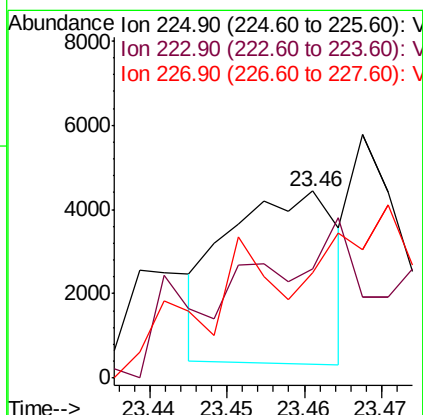
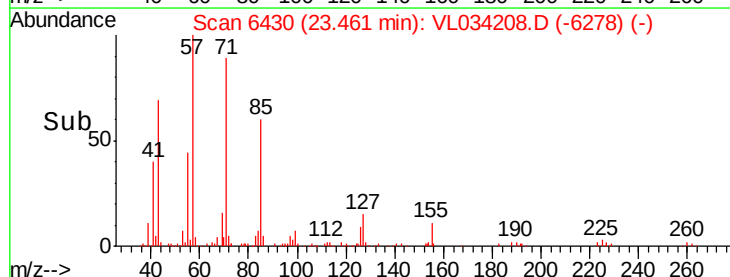
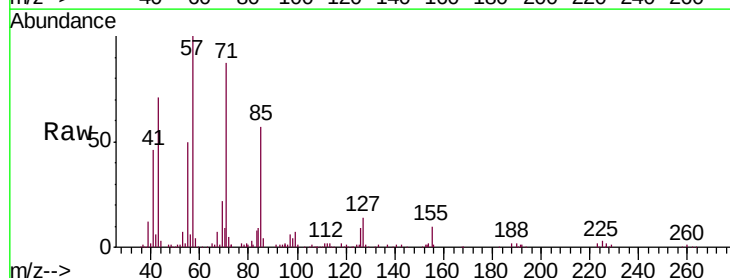
Instrument :
 MSVOA_L
 ClientSampleId :
 SV-5

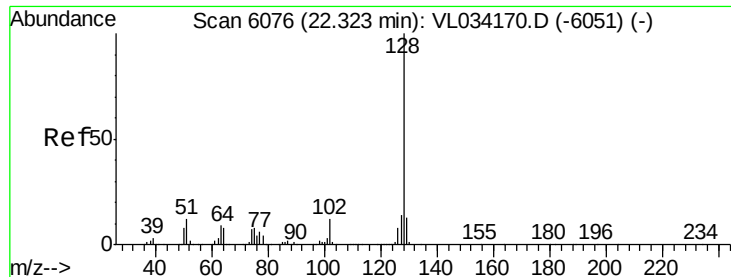
Tgt Ion:	105	Resp:	549730
Ion	Ratio	Lower	Upper
105	100		
120	39.8	37.5	56.3
91	12.0	41.1	61.7#
77	18.2	19.9	29.9#



#78
 Hexachloro-1,3-Butadiene
 Concen: 0.037 ppbv
 RT: 23.46 min Scan# 6430
 Delta R.T. -0.01 min
 Lab File: VL034208.D
 Acq: 2 Oct 2019 13:12

Tgt Ion:	225	Resp:	4023
Ion	Ratio	Lower	Upper
225	100		
223	0.0	51.7	77.5#
227	0.0	52.1	78.1#

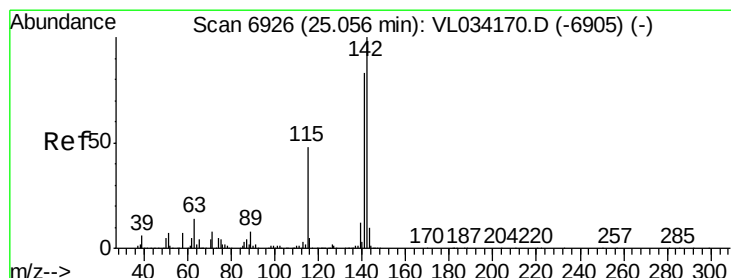
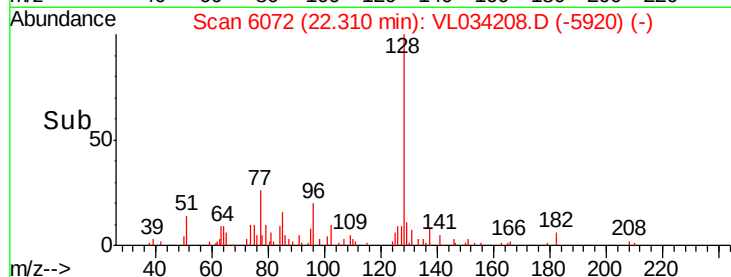
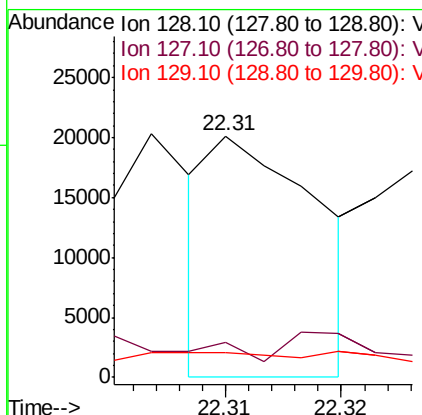
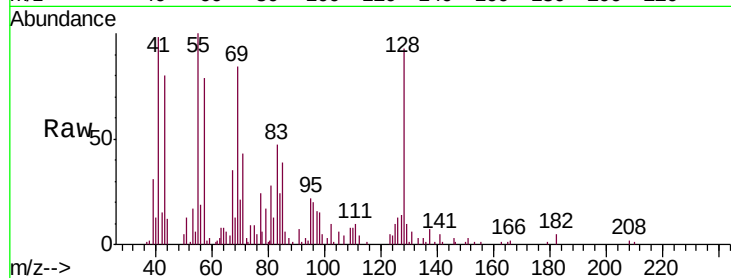




#79
Naphthalene
Concen: 0.048 ppbv
RT: 22.31 min Scan# 6072
Delta R.T. -0.01 min
Lab File: VL034208.D
Acq: 2 Oct 2019 13:12

Instrument :
MSVOA_L
ClientSampled :
SV-5

Tgt Ion:128 Resp: 12954
Ion Ratio Lower Upper
128 100
127 11.7 11.1 16.7
129 0.5 10.2 15.4#



#80
Naphthalene, 2-methyl-
Concen: 0.063 ppbv
RT: 25.04 min Scan# 6922
Delta R.T. -0.01 min
Lab File: VL034208.D
Acq: 2 Oct 2019 13:12

Tgt Ion:142 Resp: 7889
Ion Ratio Lower Upper
142 100
141 89.5 67.6 101.4
115 57.7 36.9 55.3#

